

TRANSPORTATION CABINET
Department of Highways
Frankfort, Kentucky 40622

PROPOSAL NO. _____
PROJECT CODE NO. 03-0063

LETTING OF FEBRUARY 14, 2003
Sealed Bids will be received in the
Division of Contract Procurement
and/or the Auditorium located on the
1st Floor of the State Office
Building until 10:00 A.M., EST,
on FEBRUARY 14, 2003 Bids will
be publicly opened and read at 10:00
A.M., EASTERN STANDARD TIME.

PROJECT IDENTIFICATION AND DESCRIPTION:

FLOYD COUNTY, FD04 036 0023 000-011
The Pikeville-Prestonsburg Road (US 23).

Pavement rehabilitation on US 23 from the Pike County Line (MP 0.000) extending to New Allen
(MP 10.100), a distance of 10.100 miles.

Asphalt Surface, Guardrail and Signals.

Status Report Item No. 12-2010.00

(12)

GEOGRAPHIC COORDINATES:

LATITUDE - 37° 30' NORTH
LONGITUDE - 82° 45' WEST

COMPLETION DATE ESTABLISHED FOR PROJECT: SEE SPECIAL NOTE

LIQUIDATED DAMAGES SEE SPECIAL NOTES

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

(Check guaranty submitted: Cashier's Check ☐ Certified Check ☐ Bid Bond ☐)

BID BONDS WHEN SUBMITTED WILL BE RETAINED WITH THE PROPOSAL.
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PART	
I	SCOPE OF WORK
II	SPECIAL PROVISIONS APPLICABLE TO PROJECT
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VI	BID ITEMS
VII	CERTIFICATION

BID..... ☐ PROPOSAL ISSUED TO: _____

SPECIMEN..... ☐ _____
Address City State Zip

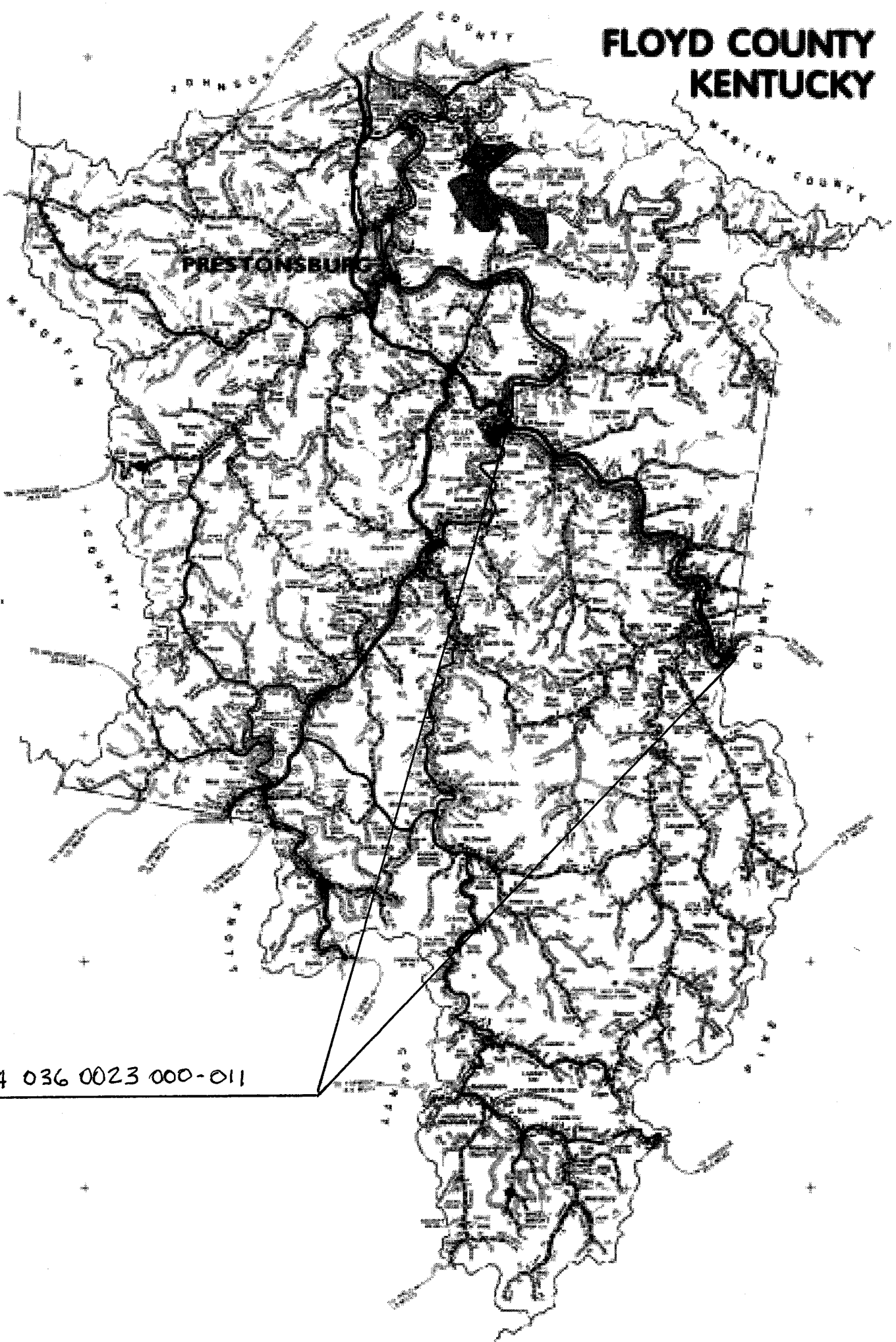
PART I

SCOPE OF WORK

1. Project Detail

- | | |
|--|----------|
| a. See Sketch, Location Summary, Typical Sections (2 Sheets) and Details (8 Sheets) | Attached |
| b. Special Notes Applicable to Project | Attached |
| c. Supplemental Specifications | Attached |
| d. Special Note for Acceptance of Density of Longitudinal Joints in Asphalt Surface Pavements (6-4-02) | Attached |
| e. Special Note for Traffic Control Plan | Attached |
| f. Special Note for Guardrail | Attached |
| g. Special Note for Project Description | Attached |
| h. Special Note for Pavement Rehabilitation | Attached |
| i. Special Note for Completion Date & Liquidated Damages | Attached |
| j. Special Note for Utility Clearance | Attached |
| k. Special Notes for Pneumatic Backstowing | Attached |

FLOYD COUNTY KENTUCKY



FD04 036 0023 000-011

**U. S. 23 REHAB
FLOYD COUNTY**

**REMOVE GUARDRAIL
SOUTH BOUND**

BEGIN MILEPOINT	END TREATMENT	END MILEPOINT	END TREATMENT	LIN FEET	REMARKS
10.071	OLD RAIL	9.917	GUARDRAIL END TREATMENT TY 2A	813	
9.905	GUARDRAIL-TERMINAL SECT NO 1	9.775	GUARDRAIL END TREATMENT TY 2A	686	
9.062	GUARDRAIL-TERMINAL SECT NO 1	8.968	GUARDRAIL-TERMINAL SECT NO 1	496	
8.958	OLD GUARDRAIL	8.944	GUARDRAIL-TERMINAL SECT NO 1	74	
8.939	GUARDRAIL-TERMINAL SECT NO 1	8.877	GUARDRAIL-TERMINAL SECT NO 1	327	
8.871	GUARDRAIL-TERMINAL SECT NO 1	8.374	GUARDRAIL END TREATMENT TY 2A	2624	
7.578	GUARDRAIL-TERMINAL SECT NO 1	7.420	GUARDRAIL-TERMINAL SECT NO 1	834	
7.412	GUARDRAIL-TERMINAL SECT NO 1	7.395	GUARDRAIL-TERMINAL SECT NO 1	90	
7.387	GUARDRAIL-TERMINAL SECT NO 1	7.334	GUARDRAIL-TERMINAL SECT NO 1	280	
7.327	GUARDRAIL-TERMINAL SECT NO 1	7.274	GUARDRAIL END TREATMENT TY 2A	280	
7.218	GUARDRAIL END TREATMENT TY 4A	6.676	GUARDRAIL END TREATMENT TY 2A	2862	
6.589	GUARDRAIL-TERMINAL SECT NO 1	6.432	BRIDGE END TYPE A	829	I VEL BRIDGE
6.425	BRIDGE END TYPE A	6.140	GUARDRAIL END TREATMENT TY 2A	1505	I VEL BRIDGE
4.929	GUARDRAIL-TERMINAL SECT NO 1	4.746	GUARDRAIL END TREATMENT TY 2A	966	
4.525	GUARDRAIL END TREATMENT TY 3	4.483	BRIDGE END TYPE A	222	TRAM BRIDGE
4.476	BRIDGE END TYPE A	4.298	GUARDRAIL END TREATMENT TY 2A	940	TRAM BRIDGE
4.238	GUARDRAIL END TREATMENT TY 3	4.196	GUARDRAIL-TERMINAL SECT NO 1	222	
4.191	GUARDRAIL-TERMINAL SECT NO 1	3.848	GUARDRAIL END TREATMENT TY 2A	1811	
3.518	GUARDRAIL END TREATMENT TY 3	3.453	GUARDRAIL-TERMINAL SECT NO 1	343	
3.446	GUARDRAIL-TERMINAL SECT NO 1	3.430	GUARDRAIL-TERMINAL SECT NO 1	84	
3.423	GUARDRAIL-TERMINAL SECT NO 1	3.349	GUARDRAIL-TERMINAL SECT NO 1	391	
3.212	GUARDRAIL-TERMINAL SECT NO 1	3.197	GUARDRAIL-TERMINAL SECT NO 1	79	
3.190	GUARDRAIL-TERMINAL SECT NO 1	2.881	GUARDRAIL END TREATMENT TY 2A	1632	
2.770	GUARDRAIL-TERMINAL SECT NO 1	2.668	GUARDRAIL END TREATMENT TY 2A	539	
2.661	GUARDRAIL-TERMINAL SECT NO 1	2.433	TIE IN TO OLD BRIDGE	1204	JUSTELL BRIDGE
2.083	TYPE I END TREATMENT	2.042	TO RADIUS RAIL	216	BETSY LANE SCHOOL ENTRANCE
2.034	RADIUS RAIL	2.015	GUARDRAIL END TREATMENT TY 2A	100	BETSY LANE SCHOOL ENTRANCE
1.583	GUARDRAIL-TERMINAL SECT NO 1	1.041	GUARDRAIL END TREATMENT TY 2A	2862	
0.955	GUARDRAIL-TERMINAL SECT NO 1	0.949	GUARDRAIL-TERMINAL SECT NO 1	32	HAROLD SCHOOL
0.937	GUARDRAIL-TERMINAL SECT NO 1	0.897	GUARDRAIL-TERMINAL SECT NO 1	211	HAROLD SCHOOL
0.142	GUARDRAIL-TERMINAL SECT NO 1	0.038	GUARDRAIL END TREATMENT TY 2A	549	
0.015	GUARDRAIL-TERMINAL SECT NO 1	0.000	PIKE CO. LINE OLD RAIL	79	
			TOTAL AMOUNT OF RAIL	24,182	

(1)

**U. S. 23 REHAB
FLOYD COUNTY**

**NEW GUARDRAIL
SOUTHBOUND**

BEGIN MILEPOINT	END TREATMENT	END MILEPOINT	END TREATMENT	LIN FEET	REMARKS
10.071	OLD RAIL	9.917	GUARDRAIL END TREATMENT TY 2A	813	
9.905	GUARDRAIL-TERMINAL SECT NO 1	9.775	GUARDRAIL END TREATMENT TY 2A	686	
9.062	GUARDRAIL-TERMINAL SECT NO 1	8.968	GUARDRAIL-TERMINAL SECT NO 1	496	
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4.929	GUARDRAIL-TERMINAL SECT NO 1	4.746	GUARDRAIL END TREATMENT TY 2A	966	
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4.476	BRIDGE END TYPE A	4.298	GUARDRAIL END TREATMENT TY 2A	940	TRAM BRIDGE
4.238	GUARDRAIL END TREATMENT TY 1	4.196	GUARDRAIL-TERMINAL SECT NO 1	222	
4.191	GUARDRAIL-TERMINAL SECT NO 1	3.848	GUARDRAIL END TREATMENT TY 2A	1811	
3.518	GUARDRAIL-TERMINAL SECT NO 1	3.453	GUARDRAIL-TERMINAL SECT NO 1	343	
3.446	GUARDRAIL-TERMINAL SECT NO 1	3.430	GUARDRAIL-TERMINAL SECT NO 1	84	
3.423	GUARDRAIL-TERMINAL SECT NO 1	3.349	GUARDRAIL-TERMINAL SECT NO 1	391	
3.212	TYPE I END TREATMENT	3.197	GUARDRAIL-TERMINAL SECT NO 1	79	
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2.770	GUARDRAIL-TERMINAL SECT NO 1	2.668	GUARDRAIL END TREATMENT TY 2A	539	
2.661	GUARDRAIL-TERMINAL SECT NO 1	2.433	TIE IN TO OLD BRIDGE	1204	JUSTELL BRIDGE
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0.142	TYPE I END TREATMENT	0.038	GUARDRAIL END TREATMENT TY 2A	549	
0.015	GUARDRAIL-TERMINAL SECT NO 1	0.000	PIKE CO. LINE OLD RAIL	79	
			TOTAL AMOUNT OF RAIL	24,182	

(2)

FLOYD COUNTY

NORTHBOUND

(3)

FLOYD COUNTY

NORTHBOUND

(4)

REMOVE DOUBLE FACE GUARDRAIL ALONG MEDIAN

(5)

REMOVE CURB UNDER DOUBLE FACE GUARDRAIL ALONG MEDIAN

(6)

BARRIER WALL ALONG MEDIAN

(7)

**U. S. 23 REHAB
FLOYD COUNTY**

**LIP CURB & GUTTER
ALONG MEDIAN**

BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS
0.027	0.151	1,337	
0.295	0.353	640	
0.490	0.500	134	
1.630	1.745	1,242	
2.087	2.192	1,137	
2.388	2.415	313	
3.111	3.174	693	
3.251	3.335	915	
3.542	3.642	1,084	
3.700	3.713	165	
3.795	3.890	1,031	
3.890	3.918	324	
3.996	4.028	366	
4.095	4.128	376	
4.353	4.378	292	
4.492	4.568	831	
5.017	5.042	292	
5.128	5.295	1,792	
5.475	5.530	609	
5.957	5.971	176	
6.050	6.090	450	
6.466	6.576	1,190	
6.654	6.688	387	
7.190	7.210	239	
7.255	7.268	165	
7.390	7.400	134	
8.330	8.390	662	
8.837	8.860	271	
	TOTAL	17,247	

(8)

U. S. 23 REHAB FLOYD COUNTY

MILLING OF RAISED MEDIAN

BEGIN MILEPOINT	END MILEPOINT	LIN FEET	TONS
0.027	0.151	655	280
0.151	0.213	327	56
0.237	0.295	306	52
0.295	0.353	306	105
0.353	0.430	407	70
0.451	0.500	259	26
0.490	0.500	53	13
0.525	0.558	174	13
0.788	0.828	211	15
0.835	0.865	158	12
0.888	0.923	185	31
1.630	1.745	607	208
2.087	2.192	554	190
2.192	2.253	322	55
2.285	2.365	422	31
2.388	2.415	143	11
3.111	3.174	333	25
3.192	3.251	312	23
3.251	3.335	444	152
3.355	3.395	211	21
3.542	3.642	528	181
3.662	3.700	201	20
3.700	3.713	69	24
3.734	3.795	322	32
3.795	3.890	502	172
3.890	3.918	148	51
3.935	3.996	322	32
3.996	4.028	169	58
4.034	4.095	322	32
4.095	4.128	174	60
4.353	4.378	132	45

U. S. 23 REHAB FLOYD COUNTY

MILLING OF RAISED MEDIAN

BEGIN MILEPOINT	END MILEPOINT	LIN FEET	TONS
4.378	4.475	512	50
4.492	4.568	401	830
5.017	5.042	132	45
5.059	5.128	364	36
5.128	5.295	882	302
5.306	5.360	285	28
5.404	5.460	296	29
5.475	5.530	290	100
5.957	5.971	74	26
5.971	6.036	343	34
6.050	6.090	211	73
6.466	6.576	581	200
6.594	6.654	317	31
6.654	6.688	180	62
7.190	7.210	106	36
7.210	7.240	158	16
7.255	7.268	69	24
7.268	7.318	264	26
7.390	7.400	53	18
7.424	7.500	401	39
7.500	7.566	348	34
8.330	8.390	317	109
8.837	8.860	121	42
8.877	8.959	433	32
9.548	9.590	222	22
	TOTAL	6,848	2,194

SLOTTED DRAIN AND BOXES ALONG MEDIAN

(ii)

U. S. 23 REHAB FLOYD COUNTY

MEDIAN BOX INLET TYPE 13

SOUTHBOUND LANE MILE POINT	SOUTHBOUND LANE MILE POINT
0.024	3.684
0.063	3.717
0.107	3.755
0.187	5.035
0.240	5.074
0.289	5.099
0.338	5.132
0.382	5.172
0.396	5.221
0.414	5.251
0.440	5.313
0.487	5.438
0.517	5.482
1.654	5.510
1.716	7.239
1.740	7.252
2.076	7.290
3.138	7.309
3.173	7.358
3.226	7.414
3.276	7.453
3.324	7.475
3.373	8.899
3.394	8.892
3.572	
3.596	
3.635	

**U. S. 23 REHAB
FLOYD COUNTY**

**MEDIAN BOX
INLET TYPE 13**

NORTHBOUND LANE MILE POINT	NORTHBOUND LANE MILE POINT
0.826	
0.863	
0.895	
2.096	
2.142	
2.191	
2.240	
2.289	
2.338	
2.391	
3.899	
3.927	
3.966	
3.996	
4.026	
4.050	
4.105	
4.482	
4.520	
4.553	
6.002	
6.603	
6.556	
6.596	
6.702	
8.389	
9.760	

CURB BOXES INLET TYPE B

(14)

**U. S. 23 REHAB
FLOYD COUNTY
DEPRESSED MEDIAN**

BEGIN MILEPOINT	END MILEPOINT	LIN FEET	AVG. WIDTH	AVG DEPTH	CUBIC YARDS
5.386	5.432	243	16	2.1	299
5.559	5.596	195	16	2.1	241
5.606	5.695	470	16	2.1	579
5.821	5.912	480	16	2.1	592
5.922	5.983	322	16	2.1	397
7.732	7.897	871	13	2.1	872
7.911	7.938	143	16	1.8	148
7.950	7.966	84	16	2.1	104
7.974	7.989	79	16	2.1	98
7.998	8.041	227	16	2.1	280
8.051	8.191	739	16	2.1	911
8.199	8.357	834	14	2.1	916
9.007	9.021	74	16	1.8	77
9.034	9.092	306	16	1.8	318
9.128	9.220	486	16	2.1	599
9.231	9.458	1,199	16	2.1	1477
9.472	9.580	570	16	2.1	703
9.639	9.744	554	16	2.1	683
				TOTAL	9,294

(15)

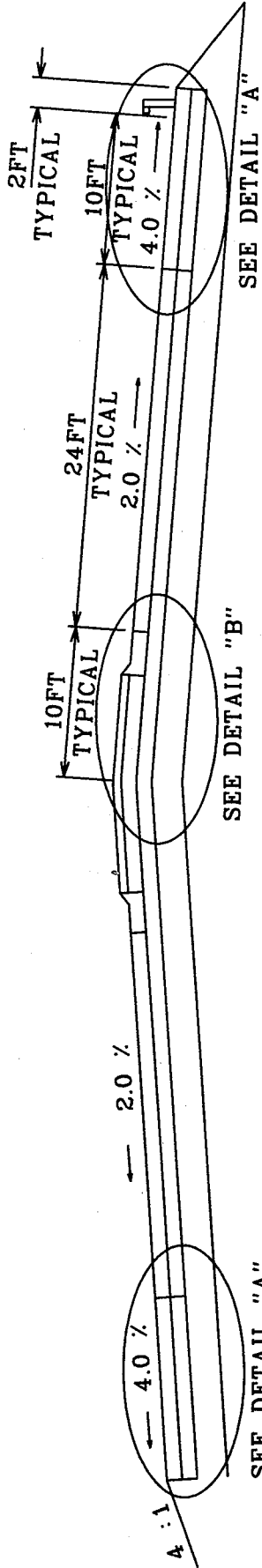
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(16)

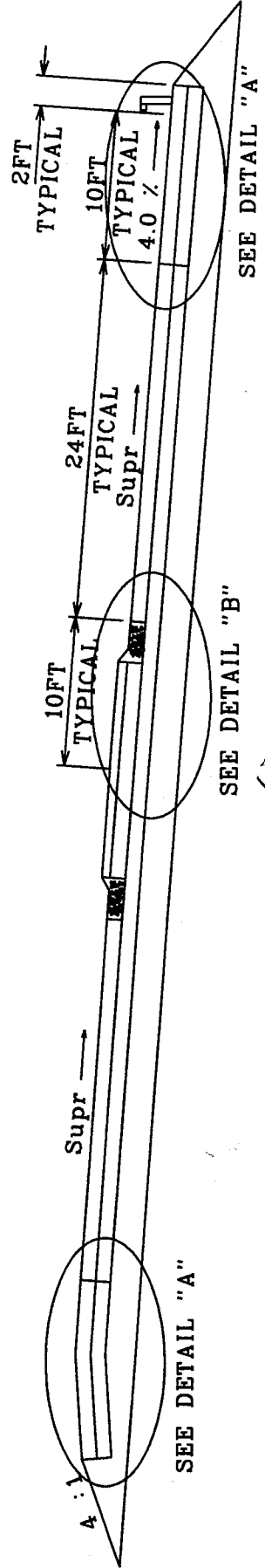
TYPICAL - NORMAL CROWN

CURB & GUTTER SEE NOTES
 FLUSH MEDIAN SEE NOTES
 BARRIER WALL SEE NOTES



TYPICAL - SUPER ELEVATED

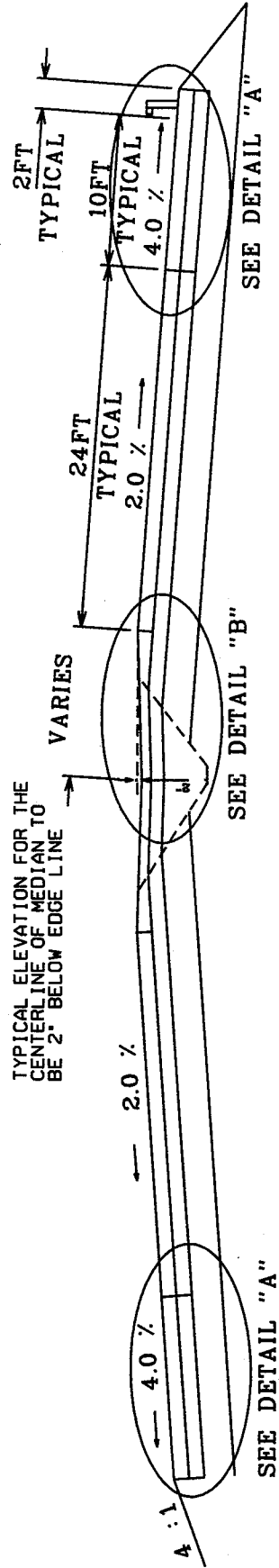
CURB & GUTTER SEE NOTES
 FLUSH MEDIAN SEE NOTES
 BARRIER WALL SEE NOTES



TYPICALS MAY BE REVISED BY PROJECT ENGINEER

NOT TO SCALE

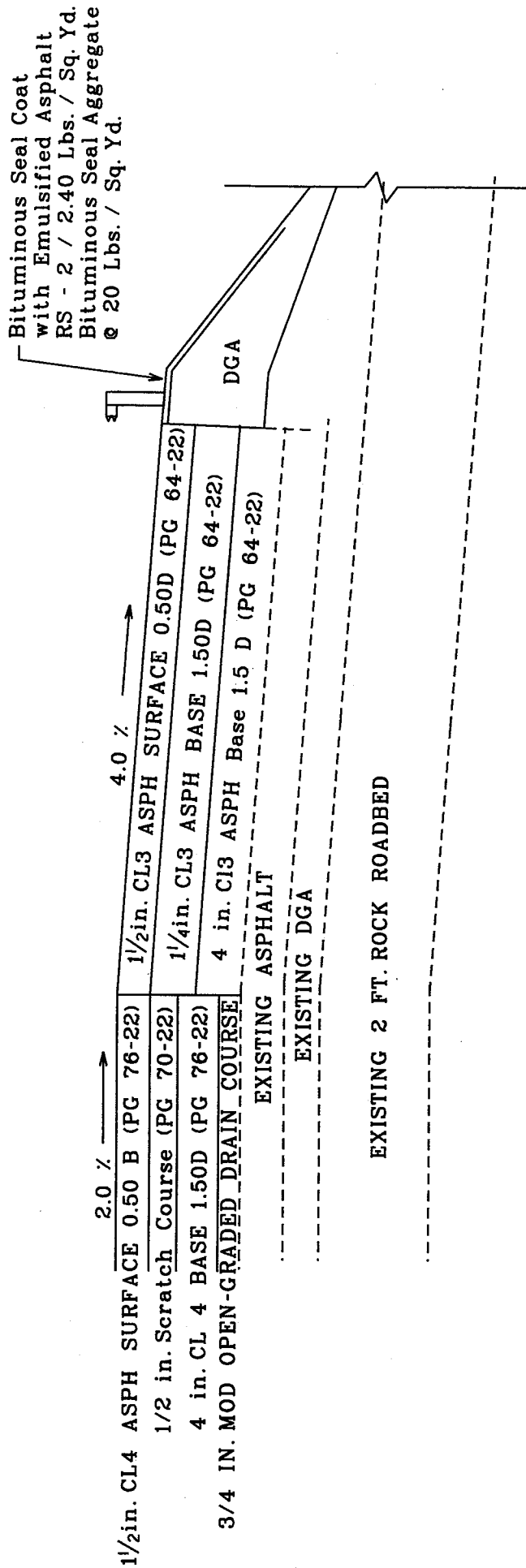
TYPICAL - DEPRESSED MEDIAN



NOT TO SCALE

TYPICALS MAY BE REVISED BY PROJECT ENGINEER

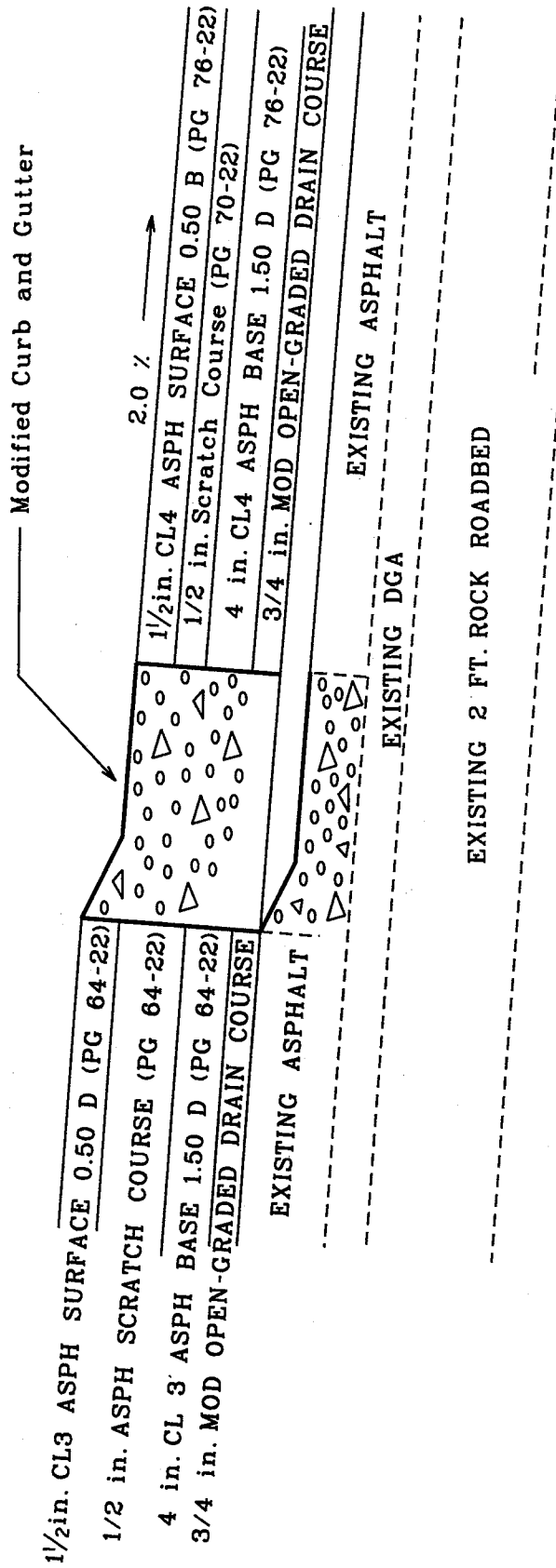
DETAIL "A"



NOT TO SCALE

TYPICALS MAY BE REVISED BY PROJECT ENGINEER (1)

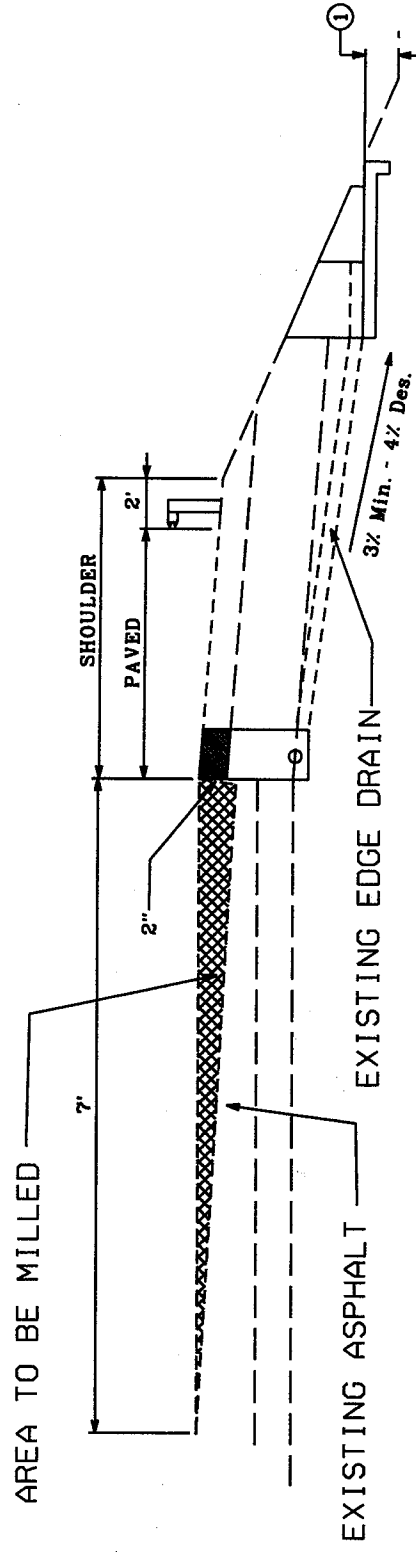
DETAIL "B"



NOT TO SCALE

TYPICALS MAY BE REVISED BY PROJECT ENGINEER (2)

MILLING DETAIL
 ALONG EXISTING
 LONGITUDINAL PAVEMENT EDGE DRAIN
 (PERFORATED PIPE)

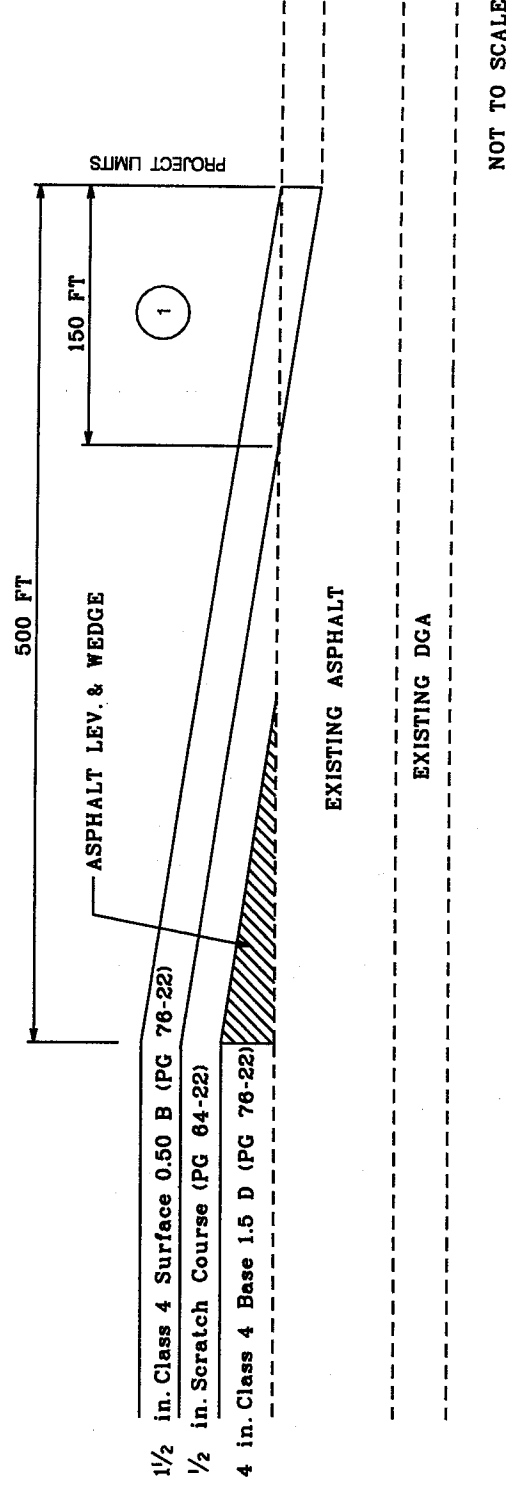


DETAIL "C"

TYPICALS MAY BE REVISED BY PROJECT ENGINEER

NOT TO SCALE

MAINLINE TIE - INS FOR OVERLAYS AT TERMINI OF PROJECT

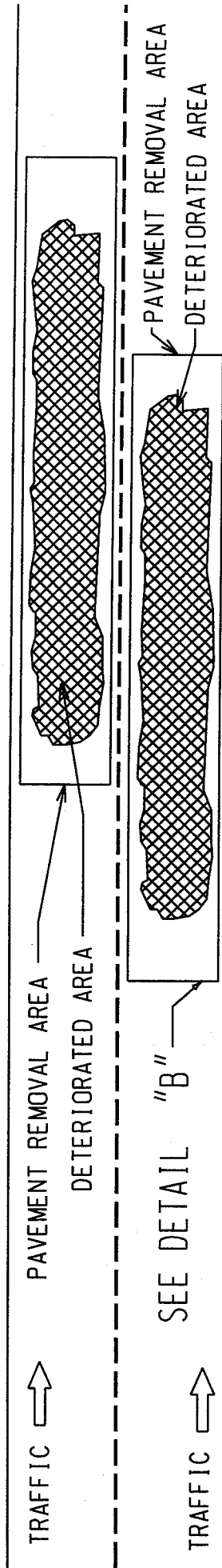


- ① MILL THE EXISTING TRAFFIC LANES AT THE BEGINNING AND END OF THE PROJECT TO A SUFFICIENT DEPTH TO RECEIVE THE 1 1/2 INCH OF CLASS 3 SURFACE PG 76 - 22 AT ITS FULL DEPTH.

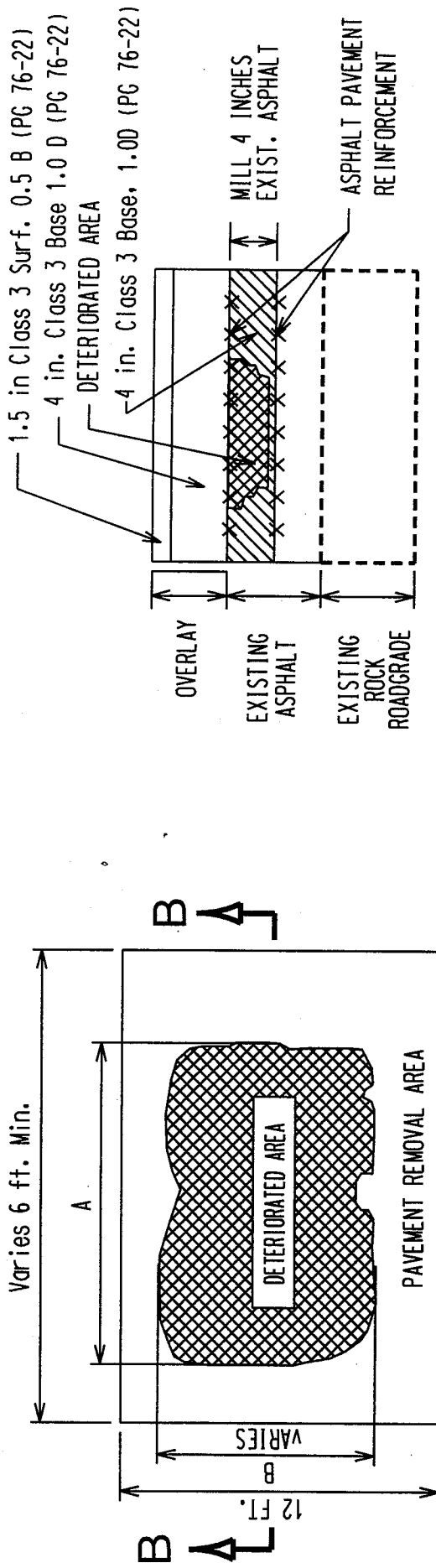
TYPICALS MAY BE REVISED BY PROJECT ENGINEER

NOT TO SCALE

(4)



PLAN VIEW (CATEGORY "B")



SECTION B - B

DETAIL "B"

1. LOCATIONS DESIGNATED BY ENGINEER OR AS INDICATED IN THE PROPOSAL.
2. MILL A PATTERN INTO EXISTING ASPHALT PAVEMENT AROUND THE AREA TO BE REPAIRED FOR A DEPTH SPECIFIED ON THE DRAWING.
3. REMOVE MILLINGS AND PLACE ASPHALT PAVEMENT REINFORCEMENT.
4. PLACE ASPHALT BASE "CLASS 4" 1.5 D (PG 76-22) INTO MILLED AREA AND COMPACT TO PROPER DENSITY ACCORDING TO STANDARD SPECIFICATIONS.
5. PLACE SECOND LAYER OF ASPHALT PAVEMENT REINFORCEMENT.
6. PLACE MAINLINE ASPHALT PAVEMENT OVERLAY.
7. MATERIALS, METHODS OF MEASUREMENT, AND BASIS OF PAYMENT WITH THIS ACTIVITY SHALL BE DONE IN CONFORMANCE WITH "SPECIAL NOTE FOR ASPHALT CONCRETE BASE REPAIR"

CATEGORY "B" ASPHALT CONCRETE BASE REPAIR
REMOVING & PATCHING OF EXISTING ASPHALT

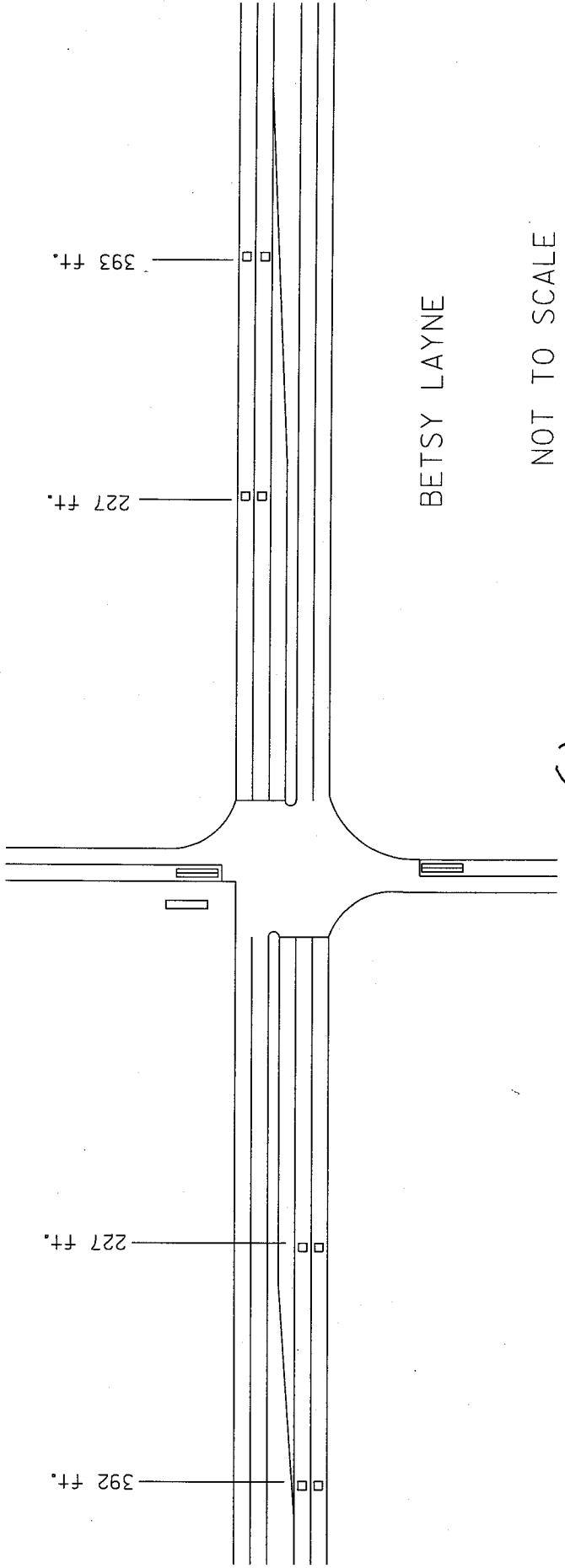
(5)



- CATEGORY "C" ASPHALT CONCRETE BASE REPAIR
REMOVING & PATCHING OF EXISTING ASPHALT

SIGNAL DETAIL

VELOCITY MARKET



NOT TO SCALE

(7)

SIGNAL DETAIL

KY 979

388 ft.

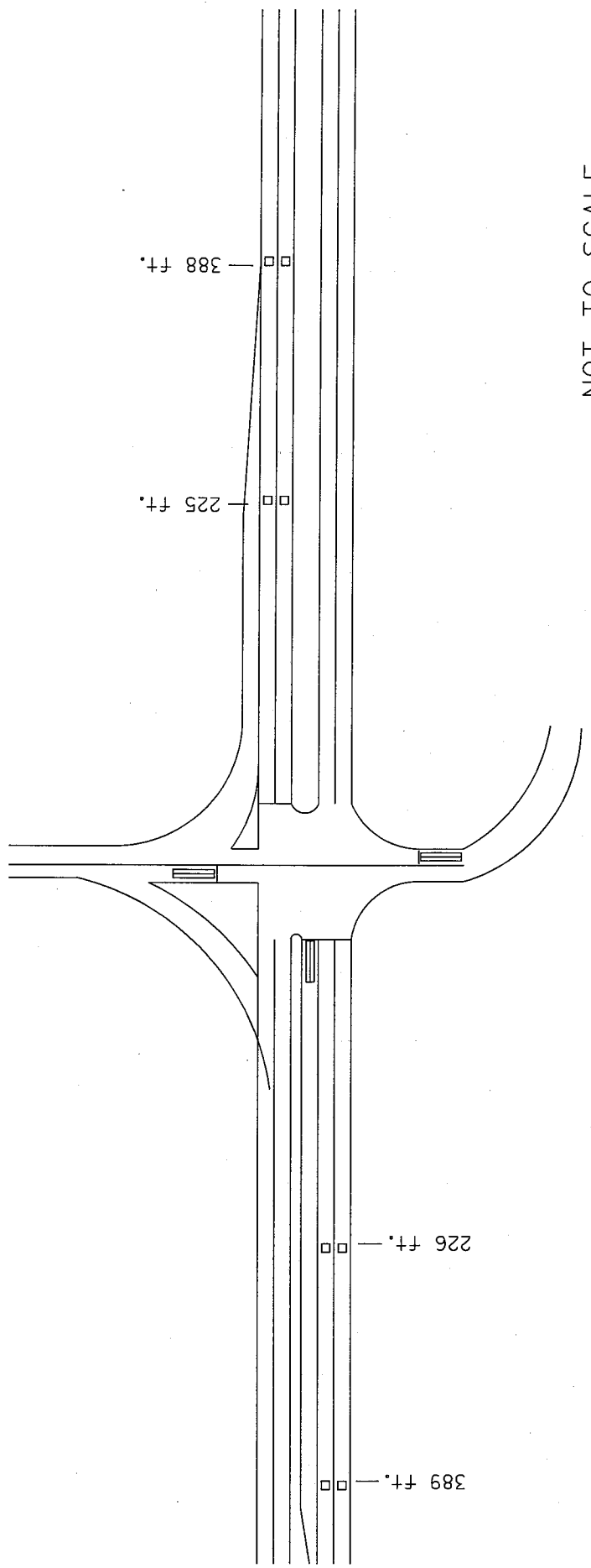
225 ft.

226 ft.

389 ft.

NOT TO SCALE

(8)



SPECIAL NOTES APPLICABLE TO PROJECT

The following Standard Drawings apply to this Project and may be obtained by contacting the Department of Highways, Division of Design, at a cost of \$0.50 per copy.

GUARDRAIL CONNECTOR TO BRIDGE END TYPE A AND A-1	RBC-001-08
GUARDRAIL CONNECTOR TO BRIDGE END TYPE A AND A-1 COMPONENTS	RBC-002
GUARDRAIL CONNECTOR TO BRIDGE END TYPE A AND A-1 COMPONENTS	RBC-003-06
CRASH CUSHION TYPE VI (ONE & TWO DIRECTION)	RBE-060-12
CONCRETE MEDIAN BARRIER END	RBE-065 05
TYPICAL GUARDRAIL INSTALLATIONS	RBI-001-09
TYPICAL GUARDRAIL INSTALLATIONS	RBI-002-06
TYPICAL INSTALLATION FOR GUARDRAIL END TREATMENT TYPE 2A	RBI-003-06
INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1	RBI-004-02
DELINEATORS FOR CONCRETE BARRIERS	RBM-020-07
CONCRETE BARRIER WALL TYPE 9T (TEMPORARY)	RBM-115-07
STEEL BEAM GUARDRAIL (W-BEAM)	RBR-001-11
GUARDRAIL COMPONENTS	RBR-005-10
GUARDRAIL TERMINAL SECTIONS	RBR-010-05
GUARDRAIL POSTS	RBR-015-04
GUARDRAIL POSTS	RBR-016-04
GUARDRAIL END TREATMENT TYPE 1	RBR-020-02
GUARDRAIL END TREATMENT TYPE 2A	RBR-025-03
DROP BOX INLET TYPE 13 (DETAIL SHEET)	RDB-013-05
DROP BOX INLET TYPE 13 AND TYPE 16 (FRAME & GRATE DETAILS)	RDB-014-05
DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID)	RDB-015-03
DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION)	RDB-016-02
DROP BOX INLET TYPE 13 (PIPE CHAMBER - SAG CONDITION)	RDB-017-02
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SPECIAL NOTES APPLICABLE TO PROJECT (Continued)

2000 SPECIFICATIONS

Any reference in the plans or proposal to the *Standard Specifications for Road and Bridge Construction, Edition of 1998*, and *Standard Drawings, Edition of 2000* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2000* and *Standard Drawings, Edition of 2003*.

2001 SUPPLEMENTAL SPECIFICATIONS

The *2001 Supplemental Specifications* to the 2000 Standard Specifications for Road and Bridge Construction shall apply to this project.

PROPOSAL ADDENDA

All Addenda to this proposal must be incorporated into the proposal when the bid is submitted to the Kentucky Department of Highways. Failure to use the correct and most recent bid sheet(s) may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's Highway Bid Program available on the internet web site of the Department of Highways, Division of Contract Procurement. (www.kytc.state.ky.us/contract)

The Bidder must download the bid items created from the web site to prepare a bid proposal for submission to the Department. The bidder must insert the completed bid item sheets printed from the Program into the bidder's proposal and submit with the disk created by said program.

JOINT VENTURE BIDDING

Joint Venture bidding is permissible. However, both companies MUST purchase a bidding proposal. Either proposal may be submitted but must contain the company names and signatures of both parties where required. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

SPECIALTY ITEMS

The following bid items are hereby designated "Specialty Items" within the meaning of the term as set forth in Subsection 108.01 of the *2000 Standard Specifications*.

Item 75 through Item 86.

SIGNALIZATION QUANTITIES

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provisions of the act.

ASPHALT BASE PRICE

The Asphalt Base Price shall be \$170.00 (english) as applicable in Section 109.07 of the *2000 Standard Specifications*.

INCIDENTAL SURFACING

The quantities established in the proposal include estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, and road and street approaches. These items are to be paved to the limits as shown on *Standard Drawing RPM 110* or to the limits as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, the paving of the crossroads shall be to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. These areas are to be surfaced or resurfaced as directed by the Engineer and no direct payment will be allowed for placing and compacting.

NHS PROJECTS

This project is on the *NATIONAL HIGHWAY SYSTEM*.

SPECIAL NOTES APPLICABLE TO PROJECT (Continued)

WORK ZONE CATEGORY I AND II DEVICES

The Contractor is required to provide certification that all *Work Zone Category I and II Devices* are compliant with **NCHRP 350** before these devices are used on the project. *Category II Devices* include, but are not limited to: portable sign stands (with signs), type I, II & III barricades, vertical panels, intrusion alarms, cones with lights, and other work zone devices under 45kg (100 lb).

OPTION A

The Contractor is advised that the compaction of asphalt mixtures furnished for driving lanes and ramps, at 25mm (1 inch) or greater, on this project will be accepted according to **OPTION A** in accordance with **Section 402** and **Section 403** of the *2000 Standard Specification*. The compaction of all other asphalt mixtures will be accepted by **OPTION B**.

ASPHALT PAVEMENT RIDE QUALITY

Pavement Rideability Requirements shall apply on this project in accordance with **Section 410** of the *2000 Standard Specifications*

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SUBSECTION:	102.07.01 General.
REVISION:	Replace the first sentence with the following: Submit the Bid Proposal on the forms furnished by the Department including the Highway Bid Program bid item sheets and disk created from the Department's internet web site.
SUBSECTION:	102.07.02 Computer Bidding.
REVISION:	Replace the subsection with the following: Subsequent to ordering a Bid Proposal for a specific project, use the Department's Highway Bid Program on the internet web site of the Department of Highways, Division of Contract Procurement. Download the bid item quantities from the Department's web site to prepare a Bid Proposal for submission to the Department. Insert the completed bid item sheets printed from the Highway Bid Program into the Proposal and submit along with the disk created by said program. In case of a dispute, the Bid Proposal and bid item sheets created by the Highway Bid Program take precedence over any bid submittal. Furthermore the Department takes no responsibility for loss, damage of disks or the compatibility with the bidder's computer equipment or software.
SUBSECTION:	102.08 IRREGULAR BID PROPOSALS.
REVISION:	Add the following to the first set of items: 4) Fails to submit a disk created from the Highway Bid Program
SUBSECTION:	102.08 IRREGULAR BID PROPOSALS.
REVISION:	Replace 1) of the second set of items with the following: 1) when the Bid Proposal is on a form other than that furnished by the Department or printed from other than the Highway Bid Program , or when the form is altered or any part is detached.
SUBSECTION:	103.05 REQUIREMENT OF CONTRACT BOND.
REVISION:	Replace the first sentence of the first paragraph with the following: To be acceptable to the Department, the surety must have a minimum A. M. Best rating of an "A-", be listed on the U.S. Treasury Listing of approved sureties for an amount equal to or greater than the amount of the bond and be an admitted carrier in the Commonwealth of Kentucky. Replace the last sentence of the first paragraph with the following: If at any time during the performance of the Contract the surety company falls below the minimum acceptable requirements, the Contractor shall file a new bond in an amount established by the Commissioner, or his designee, within 14 calendar days of such failure to meet the minimum requirements. Add the following to the end of the subsection: The Department reserves the right to copy the surety on all of its communications with the Contractor concerning the Contractor's performance, or performance deficiencies, on the project and further reserves the right to communicate directly with the surety to inform them of the Contractor's performance, or performance deficiencies, on the bonded project.
SUBSECTION:	108.02 PRECONSTRUCTION CONFERENCE.
REVISION:	Add the following to the first paragraph: Include a plan for updating the schedule. As a minimum, the schedule must be updated whenever a situation arises or event occurs that significantly affects the progress of the work or when the Engineer directs.
SUBSECTION:	109.04.02 Cost-Plus Work.
PART:	F) Overhead.
REVISION:	Add the following new part: F) Overhead. The Department will pay for overhead cost associated with administering the work, not to exceed 5 percent, when the work is done by a Subcontractor.

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SUBSECTION:	112.03.01 General Traffic Control.
PART:	G) Signs.
REVISION:	Replace the first sentence with the following: Completely cover all lettering and symbols on existing, permanent, and temporary signs which do not properly apply to the current traffic phasing, and maintain the covering until the signs are Applicable or are removed.
SUBSECTION:	112.03.01 General Traffic Control.
PART:	I) Temporary Traffic Signals.
REVISION:	Replace the MUTCD reference "Section 4B" with "Chapter 4D"
SECTION:	<p>201 STAKING.</p> <p>Delete the section and replace with the following:</p> <p>201.01 DESCRIPTION. When listed as a bid item, furnish all personnel, equipment, stakes, and hubs necessary to construct the roadway and appurtenant structures to the grade and alignment specified in the Contract. When no bid item is listed, the Department will perform staking.</p> <p>201.02 MATERIALS AND EQUIPMENT. Reserved.</p> <p>201.03 CONSTRUCTION</p> <p>201.03.01 Contractor Staking. Perform all necessary surveying under the general supervision of a Professional Engineer or licensed Land Surveyor.</p> <p>The Department's Engineer will perform the following:</p> <ol style="list-style-type: none"> 1) Provide adequate referencing of control points to allow prompt re-establishment of the survey centerline, right of way, ramps, crossroads, and frontage roads during construction. 2) Set permanent or temporary bench marks as required. 3) Take any cross sections to verify the accuracy of the original ground information. 4) Take "check sections" to verify that construction is to grade and alignment as specified in the Contract. <p>The Contractor will perform the following:</p> <ol style="list-style-type: none"> 1) Re-establish the centerline and set such additional points as may be necessary for construction of the project. Verify the accuracy of the horizontal and vertical control as established by the Department's Engineer before beginning construction. 2) Establish clearing lines so that the project may be cleared without violating the limits of the right of way. 3) Set slope stakes right and left of the survey centerline at 50' to 100' intervals to guide the contractor in constructing the cuts and fills. These stakes are generally set to shoulder grade for fills and ditch grade for cuts. The cut or fill information, slope, and distance from centerline should be on the front face of the stake; the station number should be on the back of the stake. This stake should be guarded with a lath that has the station number written on the side facing the centerline. 4) Grade Stakes (Bluetops). Fine grade control will be set to aid the Contractor in establishing the typical sub-grade section. When using conventional transit and chain methods this fine grade control will be established by setting hubs(referred to as blue tops) every fifty feet to the sub-grade section. These blue tops are set to the hundredth of a foot in elevation and are located left and right of pavement centerline, usually at the edge of metal. Bluetops will be set for the top of sub-grade and the top of aggregate base and/or drainage blanket material. Refer to Section 204.03.10 and Section 302.03.06 for construction tolerances of sub-grade and aggregate base or drainage blanket. 5) Stake all structures (bridges, culverts, pipe, and other appurtenances) so that they can be built to the proper line and grade as shown on the plans and to perform the function for which they were designed.

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revision continued	<p>(Effective with the February 1, 2008 Bidding)</p> <p>201.03.02 Department Staking. The Department's Engineer will set all stakes necessary for the construction of the roadway and appurtenant structures to the proper grade and alignment in accordance with the contract.</p> <p>201.03.03 Electronic Surveying. The Department encourages the use of new and advanced technology in the construction of its roads and structures. However, the following restrictions apply:</p> <div><div>1) Tolerances are unchanged. Refer to Section 204.03.10 and Section 302.03.06.</div><div>2) Sub-grade check sections are to be done every 500' in tangent sections and every 100' in curves using conventional survey methods to establish bluetops and to verify the correct operation of the electronic equipment.</div><div>3) The Contractor will submit his electronic data files to the Department's Engineer at the beginning of the project so that the Engineer can reference the data for verification of the field work.</div></div> <p>201.04 MEASUREMENT.</p> <p>201.04.01 Contractor Staking. When listed as a bid item, the Department will measure staking as lump sum. The Department will not measure surveying required to correct any errors or inaccuracies resulting from construction operations for payment.</p> <p>201.04.02 Department Staking. The Department will not measure quantities for payment. When any stakes are disturbed due to unwarranted negligence of the Contractor, the Department will measure the work required to reset the stakes and deduct the cost from monies due the Contractor.</p> <p>201.04.03 PAYMENT. The Department will make payment for the completed and accepted quantities under the following:</p> <table><tr><td>Code</td><td>Pay Item</td><td>Pay Unit</td></tr><tr><td>2726</td><td>Staking</td><td>Lump Sum</td></tr></table> <p>The Department will consider payment as full compensation for all work required under this section.</p>	Code	Pay Item	Pay Unit	2726	Staking	Lump Sum
Code	Pay Item	Pay Unit					
2726	Staking	Lump Sum					
SUBSECTION: REVISION:	<p>204.03.08 Disposal of Wasted Materials.</p> <p>Add the following to the end of the second paragraph:</p> <p>The Department will pay for the geotechnical investigation and analysis of the proposed waste area when one is requested by the Engineer. Ensure all work is performed by a pre-qualified geotechnical consultant and according to the Department's Geotechnical Manual.</p>						
SUBSECTION: REVISION:	<p>206.04.01 Embankment-in-Place.</p> <p>Add the following:</p> <p>The Department may make adjustments to embankment-in-place projects when there is actually unanticipated waste on the project. Waste generated by the project phasing will not be considered for adjustment. The Department will make an adjustment for the actual costs incurred by the Contractor.</p>						
SUBSECTION: PART: NUMBER: REVISION:	<p>208.03.03 Application of Chemical.</p> <p>B) Lime.</p> <p>3)</p> <p>Replace the second sentence with the following:</p> <p>Use only when saturated soil conditions exist and the slurry method would worsen the situation or when weather conditions prohibit the use of slurry.</p>						
SUBSECTION: REVISION:	<p>208.03.06 Curing and Protection.</p> <p>Replace the first sentence of the fourth paragraph with the following:</p> <p>Do not allow any traffic or equipment on the finished surface until 7 days above 40 °F curing is completed or the roadbed cores achieve a minimum strength requirement of 75 psi.</p>						

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SUBSECTION:	208.04.02 Lime.
REVISION:	Add the following to the end of the second paragraph: When hydrate or quicklime is furnished for dry application, the Department will measure the actual quantity applied to the roadbed.
SUBSECTION:	212.03.03 Permanent Seeding and Protection.
PART:	A) Seed Mixtures for Permanent Seeding.
REVISION:	Replace with the following: A) Seed Mixture for Permanent Seeding. Use seed Mixture No. I, No. III, or as the Contract specifies. Mixture No. I: 75% Kentucky 31 Fescue (<i>Festuca arundinacea</i>) 10% Red Top (<i>Agrostis alba</i>) 5% White Dutch Clover (<i>Trifolium repens</i>) 10% Rygrass, perennial (<i>Lolium perenne</i>) Mixture No. III: 30% Kentucky 31 Fescue (<i>Festuca arundinacea</i>) 15% Red Top (<i>Agrostis alba</i>) 15% Partridge Pea (<i>Cassia fasciculata</i>) 20% Sericea Lespedeza 10% Sweet Clover – Yellow (<i>Melilotus officinalis</i>) 10% Rygrass, perennial (<i>Lolium perenne</i>)
SUBSECTION:	212.03.03 Permanent Seeding and Protection.
PART:	C) Crown Vetch.
REVISION:	Replace the first sentence with the following: Sow crown vetch seed on all areas having a slope 3:1 or steeper and consisting of soil or mixtures of broken rock and soil.
SUBSECTION:	212.03.03 Permanent Seeding and Protection.
PART:	E) Erosion Control Blanket.
REVISION:	Replace the first sentence with the following: Install erosion control blankets in ditches, except those to be paved or rock lined, to a flow depth of 1.5 feet.
SUBSECTION:	213.03.02 Progress Requirements.
REVISION:	Replace the word “may” with “will” in the second sentence of the third paragraph.
SUBSECTION:	213.03.02 Progress Requirements.
REVISION:	Replace the third sentence of the third paragraph with the following: Additionally, the Department will apply a penalty equal to the liquidated damages when all aspects of the work are not coordinated in an acceptable manner within 5 days after written notification.
SUBSECTION:	214.04 MEASUREMENT.
REVISION:	Replace the second sentence with the following: The Department will not measure fabric when the Contract indicates the fabric is incidental to the work or when the specification for another item requires incidental installation of geotextile fabric.
SUBSECTION:	302.02 MATERIALS.
REVISION:	Add the following: 302.02.03 Mixer. Equip the mixer with a water flow system with a positive cut-off control that will stop the flow of water simultaneously with any stoppage in the flow of aggregate and with valves or other devices that be easily reset when a change in the rate of flow is desired.

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SUBSECTION:	401.02.01 All Asphalt Mixing Plants.
PART:	A)
REVISION:	Replace the first sentence of the second paragraph with the following: Provide a laboratory inspected and qualified according to the Department's Quality Assurance Program for Materials Testing and Acceptance and conforming to the following minimum requirements:
SUBSECTION:	401.02.01 All Asphalt Mixing Plants.
PART:	A)
REVISION:	Replace the fourth paragraph with the following: In addition to the equipment required to perform testing according to the AASHTO standards and Kentucky Methods (KM), equip each laboratory with the following minimum furnishings and equipment, conforming to the applicable specifications, as required for the type of construction specified in the Contract: 1) one workbench, at least 2.5 feet wide by 6 feet long; 2) one desk or table and 2 chairs; 3) a fire extinguisher located near the door; and 4) a first aid kit.
SUBSECTION:	401.02.01 All Asphalt Mixing Plants.
PART:	Between Items "H" and "I"
REVISION:	Insert the following new item: Recordation. Provide an automatic graphic or digital record of the production quantities according to AASHTO M156.
SUBSECTION:	401.02.01 All Asphalt Mixing Plants.
PART:	I) Thermometers.
REVISION:	Delete the third paragraph.
SUBSECTION:	401.02.04 Special Requirements for Continuous Plants.
PART:	B) Weight Calibration of Asphalt Binder and Aggregate Feed.
REVISION:	Add the following new paragraph: When equipped with aggregate weighing devices (belt scales), calibrate each cold feeder, along with the aggregate weighing devices, according to Subsection 401.02.05 A) and B).
SUBSECTION:	402.03.01 Responsibilities.
PART:	B) Setup.
REVISION:	Replace (MSG) with (G_{mm})
SUBSECTION:	402.03.01 Responsibilities.
REVISION:	Add the following: C) Process Control. After the setup period, perform the process control operations of KM 64-426.
SUBSECTION:	402.03.02 Acceptance.
PART:	A) General.
REVISION:	Add the following: Document and report all acceptance tests on the Asphalt Mixtures Acceptance Workbook (AMAW). Submit the completed AMAW for each lot to the Department within 5 working days after the completion of the lot.
SUBSECTION:	402.03.02 Acceptance.
PART:	C) Setup.
REVISION:	Add the following after the second sentence: For mixtures with a total-project quantity between 500 and 1,000 tons, perform a minimum of one process control test for AC, AV, and VMA, and report the results to the Engineer.

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SUBSECTION:	402.03.03 Verification.
REVISION:	Replace the first two sentences with the following: For volumetric properties, the Department will perform a minimum of one verification test for AC, AV, and VMA for each lot according to the corresponding procedures as given in Subsection 402.03.02. For specialty mixtures, the Department will perform one AC and one gradation determination per lot according to the corresponding procedures as given in Subsection 402.03.02. However, Department personnel will not perform AC determinations according to KM 64-405.
SUBSECTION:	402.05.02 Asphalt Mixtures and Mixtures with RAP.
PART:	D) Conventional and RAP Mixtures Placed Monolithically as Asphalt Pavement Wedge.
REVISION:	Replace with the following: The Department will pay as mainline mixture but use a 1.00 pay value for all properties.
SUBSECTION:	402.05.01 Specialty Mixtures.
REVISION:	Add "asphalt mixtures for temporary applications" to the list of defined specialty mixtures.
SUBSECTION:	403.02.05 Release Agent.
REVISION:	Replace with the following: Provide materials conforming to KM 64-442.
SUBSECTION:	403.02.06 Transport Equipment.
REVISION:	Add the following after the first sentence: Do not load trucks that are contaminated with an unapproved release agent. When such contamination is identified after loading, reject the load. In either case, remove the truck and respective driver from the project for the duration of the project.
SUBSECTION:	403.02.09 Small Tools and Portable Equipment.
REVISION:	Add the following at the end of the first paragraph: Do not use an unapproved release agent on any small tools or equipment incidental to the paving operation.
SUBSECTION:	403.03.01 Seasonal and Weather Limitations.
REVISION:	Replace "November 15" with "November 30" throughout the Subsection.
SUBSECTION:	403.03.02 Preparation of Base.
REVISION:	Replace the first sentence of the eighth paragraph with the following: Remove existing Type V markers. Fill the recess and any additional damaged area with compacted asphalt mixture within 24 hours of removal.
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	A) Mixture Composition.
REVISION:	Replace Part A) with the following: A) Mixture Composition. Provide the appropriate mixture composition for the specified asphalt mixture, or substitute a higher aggregate type. When substituting a mixture of a higher ESAL class, provide a mixture of no more than one ESAL class higher than the specified asphalt mixture. Conform to the gradation requirements (control points) of AASHTO MP2 for the Superpave mixture. Unless the Engineer authorizes otherwise in writing, use the same type and source of ingredient aggregates and asphalt binder throughout the entire project for each type of mixture. For asphalt surface courses containing 100 percent polish-resistant coarse aggregate, limit the portion of non-polish-resistant fine aggregate retained on a No. 4 sieve to 5 percent of the total combined aggregates. When using a porous aggregate, increase the asphalt binder content (AC) as needed for asphalt binder absorption by the aggregate. The following aggregate requirements are listed in order of the highest, Type A, to the lowest, Type D: 1) Type A. Provide 100 percent of the coarse aggregate Class A sources. Ensure that 20 percent of the total combined aggregate is Class A polish-resistant fine aggregate. Type B. Select either of the 2 following options:

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revision continued	<p>a) Provide 100 percent of the coarse aggregate from Class B sources.</p> <p>b) Provide a combined aggregate, retained on the No. 4 sieve, that is a minimum of 50 percent from any Class A polish-resistant aggregate source except those identified as "Not Permitted as the polish-resistant portion of Class B blends." Submit all Class B blends to the Department for review.</p> <p>For Option a) or b) above, ensure one of the following:</p> <ul style="list-style-type: none"> • 20 percent or more of the total combined aggregate is Class A polish resistant fine aggregate. • 30 percent or more of the total combined aggregate is Class B polish resistant fine aggregate. • 30 percent or more of the total combined aggregate is a combination of Class A and Class B polish resistant fine aggregate. <p>3) Type C. Ensure that 40 percent or more of the total combined aggregate is polish-resistant; Class A coarse, fine, or combination.</p> <p>4) Type D. No restriction on aggregate type.</p>
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	B) Moisture Content of Mix
REVISION:	<p>Replace the third sentence with the following:</p> <p>When moisture contents are 0.10 percent or greater, adjust the AC determination made on plant-produced mixture to reflect the actual AC as KM 64-434 directs.</p>
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	C) Mix Design Criteria.
REVISION:	<p>Add the following after the first sentence:</p> <p>The Department will allow ESAL Class 1 mixtures to pass through the restricted zone.</p>
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	C) Mix Design Criteria.
NUMBER:	1)
REVISION:	<p>Replace the first sentence with the following:</p> <p>Submit a preliminary mix design, completed using a Superpave gyratory compactor (SGC) conforming to AASHTO PP 35.</p>
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	C) Mix Design Criteria.
NUMBER:	2) Selection of Optimum AC.
REVISION:	<p>Add the following:</p> <p>Ensure the optimum AC is a minimum of 5.0 percent by weight of the total mixture for all 0.5-inch nominal surface mixtures and 5.3 percent by weight of the total mixture for all 0.38-inch nominal surface mixtures.</p>
SUBSECTION:	403.03.06 Thickness Tolerance.
TABLE:	Nominal Maximum Size of Mixture vs. Thickness Range
REVISION:	Delete
SUBSECTION:	403.03.09 Leveling and Wedging, and Scratch Course.
PART:	A) Leveling and Wedging.
REVISION:	<p>Replace the first sentence with the following:</p> <p>Conform to the gradation requirements (control points) for base, binder, or surface as applicable.</p>
SUBSECTION:	403.03.09 Leveling and Wedging, and Scratch Course.
PART:	B) Scratch Course.
REVISION:	<p>Replace the second sentence with the following:</p> <p>Conform to the gradation requirements (control points) for base, binder, or surface as the Engineer directs.</p>
SUBSECTION:	407.02.02 Aggregate.
REVISION:	Change Sieve Size No. 30 to read Sieve Size No. 50.

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SECTION:	404 OPEN-GRADED FRICTION COURSE
TABLE:	LOT PAY ADJUSTMENT SCHEDULE FOR SPECIALTY MIXTURES
REVISION:	Replace the table with the following table:

LOT PAY ADJUSTMENT SCHEDULE FOR SPECIALTY MIXTURES (TEST DEVIATION FROM JMF)		
	Pay Value	Deviation From JMF (%)
Asphalt	1.00	0.0-0.5
Binder	0.98	0.6
Content	0.95	----
	0.90	0.7
	0.85	0.8
	0.75	≥ 0.9
1 1/2 inch Sieve	1.00	0-13
	0.98	14
	0.95	15-16
	0.90	17-20
	0.85	21-23
	0.75	≥ 24
1 inch, 3/4 inch, and 1/2 inch Sieves	1.00	0-9
	0.98	10
	0.95	11-12
	0.90	13-14
	0.85	15-16
	0.75	≥ 17
3/8 inch, No. 4, No. 8, No. 16, and No. 30 Sieves	1.00	0-8
	0.98	9
	0.95	10
	0.90	11-12
	0.85	13-14
	0.75	≥ 15
No. 50 Sieve	1.00	0-6
	0.98	7
	0.95	8
	0.90	9
	0.85	10
	0.75	≥ 11
No. 100 Sieve	1.00	0-3
	0.98	----
	0.95	4
	0.90	5
	0.85	----
	0.75	≥ 6
No. 200 Sieve	1.00	0.0-2.0
	0.98	2.5
	0.95	3.0
	0.90	----
	0.85	3.5
	0.75	≥ 4.0
Fineness Modulus	1.00	0.0-0.30
	0.98	0.31-0.34
	0.95	0.35-0.39
	0.90	0.40-0.46
	0.85	0.47-0.55
	0.75	≥ 0.56

SUBSECTION:	406.02.01 Tack Coat.
REVISION:	Replace with the following: Furnish any of the following asphalt materials conforming to 806: SS-1, SS-1h, or RS-1.
SUBSECTION:	406.02.03 Curing Seal.
REVISION:	Replace with the following: Furnish any of the following asphalt materials conforming to 806: RS-1, RS-2, SS-1, SS-1h, or Primer L.

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SUBSECTION:	406.03.03 Application.																						
REVISION:	Replace the temperature table with the following: Primer L 60-120 °F SS-1, SS-1h 70-160 °F RS-1, RS-2 70-140 °F																						
SUBSECTION:	406.03.03 Application.																						
PART:	B) Asphalt Tack Coat.																						
REVISION:	Replace the second paragraph with the following: When furnishing RS-1 for tack, apply it undiluted. Replace the first sentence of the third paragraph with the following: When furnishing SS-1 or SS-1h for tack, the Department will allow diluted or undiluted application provided uniform and complete coverage is achieved.																						
SUBSECTION:	407.02.02 Aggregate.																						
REVISION:	Change Sieve Size No. 30 to read Sieve Size No. 50.																						
SUBSECTION:	408.04.02 Mobilization for Asphalt Pavement Milling and Texturing.																						
REVISION:	Add the following: For group contracts, the Department will measure the quantity for each project (subsection) that has a bid item for Mobilization for Asphalt Pavement Milling and Texturing.																						
SUBSECTION:	409.02 MATERIALS AND EQUIPMENT.																						
REVISION:	Replace “KM 64-427” with the following: the guidelines in Subsection 409.03.02																						
SUBSECTION:	409.03.01 Restrictions.																						
REVISION:	Add the following sentence: When the mixture’s bid item specifies PG 76-22, limit RAP content to 20 percent or less.																						
SUBSECTION:	409.03.02 Preparation of Mixture.																						
PART:	A) Mix Requirements.																						
REVISION:	Void the Revision and replace with the following: Conform to the Contract requirements for each mixture produced using RAP. If mixtures produced using RAP do not conform to the requirements for that mixture, complete the project using all virgin materials at no additional expense to the Department. Conform to the following table to select the appropriate grade of virgin asphalt binder to blend with the RAP:																						
<table><tr><td>Mixture’s Bid Item</td><td colspan="3">Appropriate Virgin Asphalt Binder</td></tr><tr><td></td><td>0-20% RAP</td><td>21-30% RAP</td><td>>30% RAP</td></tr><tr><td>PG 76-22</td><td>PG 76-22</td><td>-</td><td>-</td></tr><tr><td>PG 70-22</td><td>PG 70-22</td><td>PG 64-22</td><td>*</td></tr><tr><td>PG 64-22</td><td>PG 64-22</td><td>PG 64-22</td><td>*</td></tr></table>				Mixture’s Bid Item	Appropriate Virgin Asphalt Binder				0-20% RAP	21-30% RAP	>30% RAP	PG 76-22	PG 76-22	-	-	PG 70-22	PG 70-22	PG 64-22	*	PG 64-22	PG 64-22	PG 64-22	*
Mixture’s Bid Item	Appropriate Virgin Asphalt Binder																						
	0-20% RAP	21-30% RAP	>30% RAP																				
PG 76-22	PG 76-22	-	-																				
PG 70-22	PG 70-22	PG 64-22	*																				
PG 64-22	PG 64-22	PG 64-22	*																				
* Select according to KM 64-427																							

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SUBSECTION: 410.05 PAYMENT.
REVISION: Replace the RIDE QUALITY ADJUSTMENT SCHEDULE with the following 2 schedules:

**RIDE QUALITY ADJUSTMENT SCHEDULE
FOR ROADS POSTED GREATER THAN 45 MPH**

IRI	Pay Value⁽¹⁾
36 or Less	+0.15
37 to 46	= 1.5 x (47 – IRI)
47 to 66	0.00
67 to 76	= 1.5 x (67 – IRI)
77 or higher	Corrective work or replacement required

**RIDE QUALITY ADJUSTMENT SCHEDULE
FOR ROADS POSTED 45 MPH OR LESS**

Rideability Index	Pay Value⁽¹⁾
36 or Less	+0.15
37 to 46	= 1.5 x (47 – IRI)
47 to 85	0.00
86 or lower	Corrective work or replacement required

⁽¹⁾ The Department will not apply a positive pay value for corrective work other than removal and replacement to achieve the IRI.

SUBSECTION: 501.03.13 Finishing.
PART: H) Texturing.
REVISION: Replace the third paragraph with the following:

Form transverse grooves in the concrete with a width between 0.09 inch and 0.13 inch and a depth between 0.12 inch and 0.19 inch. Space the grooves at random intervals between 0.4 inch to 1.5 inches with no more than 50 percent of the spacing being one inch or greater.

SUBSECTION: 506.03.01 Header Curb, Valley Gutter, and Curb and Gutter (Combination).
REVISION: In the second sentence of the third paragraph replace the Subsection reference 601.03.12 with 501.02.10.
In the second sentence of the sixth paragraph replace the Subsection reference 601.03.16 with 501.03.17 D).

SUBSECTION: 508.03.03 Precast Construction.
REVISION: Replace "Subsection 605.03" in the first sentence with Section 605.

SUBSECTION: 509.03 CONSTRUCTION.
REVISION: Replace "Subsection 605.03" in the first sentence with Section 605.

SUBSECTION: 601.02.13 Forms.
PART: F) Stay-In-Place Metal Forms.
NUMBER: 1) Forms and Supports.
REVISION: Replace ASTM A 446 with ASTM A 653.
Replace ASTM A 525 with ASTM A 924.

SUBSECTION: 601.03.03 Proportioning and Requirements.
PART: A) Concrete.
TABLE: INGREDIENT PROPORTIONS AND REQUIREMENTS FOR VARIOUS CLASSES OF CONCRETE
REVISION: Add the following foot note to AA Slump:

The Department may allow the slump of AA concrete to be increased up to a 6 inch maximum, provided the w/c ratio does not exceed 0.40 and a high range water reducer (Type F or G) is used. Trial Batches will be required if producer has not previously supplied.

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SUBSECTION:	601.03.03 Proportioning and Requirements.
PART:	C) Mixtures Using Type IP, IS and I(SM) Cement or Mineral Admixtures.
NUMBER:	2) Mineral Admixtures.
REVISION:	Add the following after the first sentence: Reduction of the total cement content by a combination of any mineral admixtures will be allowed, up to a maximum of 30 percent.
SUBSECTION:	601.03.03 Proportioning and Requirements.
PART:	C) Mixtures Using Type IP Cement or Mineral Admixtures.
NUMBER:	2) Mineral Admixtures.
LETTER:	b) Ground Granulated Blast Furnace Slag (GGBF Slag).
REVISION:	Replace the first sentence with the following: When added as a separate ingredient, use Grade 120 GGBF or 100 GGBF slag to reduce the quantity of cement, except do not use GGBF slag to reduce the quantity of Type IS or I(SM) cement.
SUBSECTION:	601.03.04 Classes and Primary Uses.
PART:	P) Non-Shrink Grout.
REVISION:	Replace with the following: Bonding and sealing for post-tensioning, tie-back rods and bolts, and box beams.
SUBSECTION:	601.03.09 Placing Concrete.
PART:	A) General.
REVISION:	Add the following to the fifth paragraph: When pumping, equip the delivery pipe with a nozzle, having a minimum of 2 right angles, at the discharge end.
SUBSECTION:	601.03.09 Placing Concrete.
PART:	D) Weather Limitations.
REVISION:	Replace the first sentence of the second paragraph with the following: Maintain the temperature of the mixture at or below 90 °F during placement. Unless the Engineer determines that safety concerns or other considerations prohibit a shutdown, cease concrete production when the mixture exceeds 90 °F until adequate methods are in place to reduce or maintain the mixture temperature.
SUBSECTION:	601.03.15 Opening to Traffic.
TABLE:	Required Time in Calendar Days Before Applying Significant Loads on Concrete Structures
REVISION:	Change the title of the seventh item to the following: Caps on Concrete Pile Bents, Open Column Abutments, and Piers
SUBSECTION:	606.02 MATERIALS AND EQUIPMENT.
REVISION:	Add the following subsection: 606.02.11 Coarse Aggregate. Conform to Section 805, size 9-M.
SUBSECTION:	607.03.05 Bolted Connections Using High-Strength Steel Bolts.
PART:	B) Direct Tension Indicators.
REVISION:	Replace the first two sentences of the third paragraph with the following: Under normal conditions, install the tension indicator under the non-turned element of the fastening system. Obtain the Engineer's permission before installing tension indicators under the turned element. If the Engineer determines that it is necessary to install the tension indicator under the turned element, install additional hardened washers according to the manufacturer's instructions. Add the following to the end of the fourth paragraph: The fastener assembly may also need to be replaced.

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SUBSECTION:	607.03.08 Planing and Finishing.
PART:	B) Flame Cutting.
REVISION:	Replace the first sentence of the second paragraph with the following: Remove roughness exceeding these values and occasional notches or gouges no more than 3/16 inch deep, on otherwise satisfactory surfaces, by machining or grinding.
SUBSECTION:	607.03.23 Cleaning and Painting.
PART:	D) Preparation for Field Coatings.
REVISION:	Replace the second and third paragraphs with the following: After erection, including all bolting and remedial work, prepare the shop applied zinc coating for field applied intermediate coating as follows. Remove all grease, oil or other lubricants from all surfaces to be painted including lubricant or residuals from the surfaces of all galvanized nuts, bolts and washers by solvent cleaning according to SSPC SP 1. When dry overspray from the shop applied zinc coating exists, remove by sanding. High pressure water wash all structural steel at 4,500 to 5,000 psi. using clean potable water. As needed, use a non-sudsing, bio-degradable detergent to remove all surface contaminants not removed by high pressure water washing. Rinse all areas where a detergent and/or solvent was applied by pressure washing with clean potable water. Blast clean all surfaces sustaining damage to the shop applied zinc coating to the pictorial standards described in subsection B. Apply a field coat of approved zinc rich coating to all areas not possessing an acceptable shop applied zinc coating. Completely remove all rust, scale and other foreign material before applying the intermediate coating. When application of the finish coat exceeds the recoat window of the intermediate coat, abrade the surface of the intermediate coat according to the coating manufacturer's recommendations before applying the finish coat.
SUBSECTION:	607.03.23 Cleaning and Painting.
PART:	E) Application of Field Coatings.
REVISION:	Replace the second paragraph with the following: Apply paint only to clean and dry surfaces when the ambient air temperature is 40 °F or greater, the surface temperature of the steel members to be painted is at least 5 °F above the dew point, and the relative humidity is less than 90 percent. Do not apply paint to damp or frosted surfaces, nor during any period of rainfall. Replace the fifth paragraph with the following: Paint from the top of the structure toward the bottom, and proceed by sections, bays, or parts of the work, unless the Contract or Engineer directs otherwise.
SUBSECTION:	611.02.01 Concrete.
REVISION:	Replace the first sentence with the following: Conform to ASTM C 1433.
SUBSECTION:	611.03.01 Transportation and Handling.
REVISION:	Replace the first sentence with the following: Handle and store the precast units so that flexural stresses are not induced until the concrete age is 7 days or attains a compressive strength of 3,000 psi.
SUBSECTION:	611.03.02 Precast Unit Construction.
REVISION:	Add the following: 4) Contrary to ASTM C 1433 Section 10.3, assure the compressive strength of the cores tested are equal to or greater than the design strength.
SUBSECTION:	611.03.07 Joints.
PART:	A) Rubber Gaskets.
REVISION:	Replace the title with the following: A) Butyl Rubber Sealant.

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SUBSECTION:	611.03.07 Joints.
PART:	B) Flexible Plastic Gaskets.
REVISION:	Replace the title with the following: B) Rubber Gaskets.
SUBSECTION:	613.05 PAYMENT.
REVISION:	Replace 8160 Structure Excavation with the following: 2203 Structure Excavation Unclassified
SUBSECTION:	614.02.01 Paint.
REVISION:	Add the following: Furnish a paint system in which all coats are produced by the same manufacturer and use the same system throughout the entire project.
SUBSECTION:	614.03.06 Paint Application.
REVISION:	Replace the first sentence of the fourth paragraph with the following: Paint from the top of the structure toward the bottom, and proceed by sections, bays, or parts of the work, unless the Contract or Engineer directs otherwise.
SUBSECTION:	701.02.03 Joint Materials.
PART:	D) Flexible Plastic Gaskets.
REVISION:	Replace with the following: D) Butyl Rubber Sealants. Conform to Section 807.
SUBSECTION:	701.02.04 Bedding Materials.
REVISION:	Replace the first sentence with the following: Use No. 8 aggregate, No. 9 aggregate, or a fine aggregate conforming to Subsection 804.08 for bedding material.
SUBSECTION:	701.02.04 Bedding Materials.
TABLE:	A1, A2, and A3 Characteristics
REVISION:	Under A3, replace "51 max" with "51 min"
SUBSECTION:	702.03.05 Joints.
PART:	A) Reinforced Concrete Pipe.
NUMBER:	2) Rubber Gaskets.
REVISION:	Replace with the following: In addition to the requirements of Subsection 701.02, use a pipe section conforming to AASHTO M 315. Use the gasket manufacturer's recommended cement and lubricant. Snugly fit the rubber gasket in the beveled surface of the tongue and groove ends of the sections to form a flexible seal under all conditions of service.
SUBSECTION:	701.03.05 Joints.
PART:	B) Corrugated Metal Pipe.
REVISION:	Void the Revision and replace with the following: Construct joints using a band with annular corrugations and a bolt, bar and strap connection. Use a minimum nominal band width of 12 inches for all pipe diameters 54 inches and smaller. Use a two-piece band with a minimum nominal width of 20 inches for all pipe diameters greater than 54 inches. Manufacture the band from the same base materials as the pipe. The pipe bands may be up to two gauges lighter than the pipe it is joining, with a minimum gauge thickness of 16. The Department may allow dimple band connections for field cut pipe. Install the connecting bands according to the manufacturer's written recommendations.
SUBSECTION:	703.02.09 Geotextile Fabric.
REVISION:	Replace Section reference 845 with 843.

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SUBSECTION:	703.04.08 Geotextile Fabric.
REVISION:	Add the subsection: 703.04.08 Geotextile Fabric. The Department will measure the quantity according to Subsection 214.04.
SUBSECTION:	710.02 MATERIALS.
REVISION:	Add the following Subsection: 710.02.15 High Density Polyethylene (HDPE) Adjusting Rings. Conform to Section 846.
SUBSECTION:	710.03.01 Newly Constructed Small Drainage Structures.
PART:	A) General.
REVISION:	Replace the last sentence of the sixth paragraph with the following: Use precast concrete, precast concrete pipe sections, cast-in-place, brick, or HDPE adjusting rings for adjustment of existing manholes according to the Standard Specifications.
SUBSECTION:	710.03.01 Newly Constructed Small Drainage Structures.
PART:	B) Precast Structures Except Manholes.
REVISION:	Replace the first two sentences with the following: Only furnish products manufactured by a precast producer listed in the Department's List of Approved Materials. If the producer does not have an approved drawing for the product, submit 5 copies of shop drawings to the Engineer for review and approval.
SUBSECTION:	710.03.03 Adjusted Small Drainage Structures.
REVISION:	Add the following sentence to the end of the first paragraph: For HDPE adjusting rings, install and seal according to the manufacturer's recommendations.
SUBSECTION:	712.03.02 Type V Markers.
REVISION:	Replace the first sentence of the first paragraph with the following: Install Type V Markers in slots cut into the pavement according to the manufacturer's recommendations. Delete the last paragraph.
SECTION:	713 PERMANENT PAVEMENT STRIPING.
REVISION:	Add the following subsection: 713.03.06 Acceptance of Non-Specification Markings. If weather conditions allow, perform corrective work to bring striping retroreflectivity into conformance. If corrective work has been performed and the work meets all requirements except for minimum retroreflectivity, the Department may accept the work according to Subsection 105.04. When the Engineer determines that the markings may be left in place, the Department will accept them at a reduction in the Contract unit bid price according to the Acceptance Pay Schedule. Additionally, the Engineer may remove the striping crew for the remainder of the project according to Subsection 108.06 Part A). The Engineer may also apply this section when corrective work cannot be performed due to weather. Acceptance Pay Schedule – White 156 to 174 mcd/lux/square meter – 50% pay 138 to 155 mcd/lux/square meter – 25% pay 120 to 137 mcd/lux/square meter – 0% pay < 120 mcd/lux/square meter – unacceptable Acceptance Pay Schedule – Yellow 126 to 149 mcd/lux/square meter – 50% pay 103 to 125 mcd/lux/square meter – 25% pay 80 to 102 mcd/lux/square meter – 0% pay < 80 mcd/lux/square meter – unacceptable

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SUBSECTION:	713.03 CONSTRUCTION.
REVISION:	Replace the MUTCD references to “Part III” with “Part 3”
SUBSECTION:	714.02.03 Binder.
REVISION:	Replace the last sentence with the following: Submit the material and method of application to the Engineer and obtain written approval from the Engineer and the manufacturer of the pavement marking material before applying.
SUBSECTION:	714.03 CONSTRUCTION.
REVISION:	Replace the MUTCD references to “Part III” with “Part 3” and figure references to “3-11 and 3-12” with “3B-8 and 3B-9”
SUBSECTION:	714.03.01 Layout.
REVISION:	Replace the MUTCD reference to “Part III” with “Part 3”
SUBSECTION:	714.03.03 Application.
PART:	A) Type I Tape.
REVISION:	Add the following: When applied to concrete, cut the tape at all joints.
SUBSECTION:	714.03.04 Restrictions.
REVISION:	Replace the first paragraph with the following: Do not apply the pavement marking material when air and pavement temperatures are below 50°F. Delete the third paragraph.
SUBSECTION:	714.03.06 Proving Period for Durable Markings.
PART:	A) Requirements.
NUMBER:	1) Type I Tape.
REVISION:	Add the following: Type I Tape is manufactured off site and warranted by the manufacturer to meet certain retroreflective requirements. As long as the material is adequately bonded to the surface and shows no sign of failure due to the other items listed in Subsection 714.03.06 A) 1), retroreflectivity readings will not be required. In the absence of readings, the Department will accept tape based on a nighttime visual observation.
SUBSECTION:	714.05 PAYMENT.
REVISION:	Replace with the following: The Department will make payment upon completion of the work. If after the proving period the markings do not meet minimum retroreflectivity requirements, the Department will adjust the payment or require corrective work according to the following:
SECTION:	804.03 Concrete.
REVISION:	Replace the last sentence with the following: The Department will waive the requirements for gradation, sand equivalent, and uncompacted voids for concrete pipe.
SUBSECTION:	804.04.04 Requirements for Combined Aggregates.
PART:	B) Sand Equivalent.
REVISION:	Replace the third paragraph with the following: The Department may waive the sand equivalent requirement provided the portion of the combined aggregate passing the No. 40 sieve is non-plastic according to AASHTO T 90.
SUBSECTION:	804.04.04 Requirements for Combined Aggregates KM.
TABLE:	Superpave Fine Aggregate Consensus Property Requirements.
REVISION:	For ESAL Class 1, Replace both dashes with 40.
SUBSECTION:	805.03.01 Soundness and Shale.
PART:	AGGREGATE USE/Portland Cement Concrete Mixtures.
REVISION:	Replace the title use “Class AA, Class S and Bridge Deck Overlays” with “Aggregate for Bridge Decks, Bridge Deck Overlays, and Bridge Barrier Walls”

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SECTION:	805 COARSE AGGREGATES.								
TABLE:	Sizes of Coarse Aggregates.								
REVISION:	Replace KM 64-420 in footnote (1) with KM 64-620.								
SECTION:	805 COARSE AGGREGATES.								
TABLE:	Aggregates Size Use.								
REVISION:	For Cement Concrete Structures and Incidental Construction add 9-M for Overlays to the sizes to be used column.								
SUBSECTION:	805.03.03 Gradation.								
REVISION:	Replace the last sentence with the following: The Department will allow blending of same source/same type aggregate to achieve designated sizes when precise procedures are used such as cold feeds, belts, weigh hoppers, or equivalent.								
SUBSECTION:	805.03.04 Erodible or Unstable Material.								
REVISION:	Add the subsection: 805.03.04 Erodible or Unstable Material. Treat as applicable. The Department considers Size No. 57 or larger aggregate, except crushed or uncrushed gravel, non-erodible. The Department considers the following materials to be erodible or unstable: 1) Friable sandstone. The Engineer determines when sandstone is friable or non-friable. 2) Crushed or uncrushed gravel, any size. 3) Crushed coarse aggregate smaller than Size No. 57. 4) Any material with 50 percent or more passing the No. 4 sieve.								
SUBSECTION:	805.04 CONCRETE.								
REVISION:	Replace the second paragraph with the following: The Department will waive the requirements for gradation and finer than No. 200 for concrete pipe.								
SUBSECTION:	805.10 GRANULAR EMBANKMENT.								
REVISION:	Replace "2 ½-inch" with "12-inch".								
SUBSECTION:	805.10 GRANULAR EMBANKMENT.								
PART:	1)								
REVISION:	Replace with the following: 1) Engineer approved shot limestone or sandstone from roadway excavation, borrow excavation, or another approved source.								
SUBSECTION:	805.11 STRUCTURE GRANULAR BACKFILL.								
REVISION:	Replace with the following: Provide crushed or uncrushed aggregate meeting the quality requirements of this section. When the material includes a significant amount of individual fragments greater than 1 ½ inches, the Engineer may visually accept the minus No. 200 portion. Conform to the following gradation: <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;"><u>Sieve Size</u></th><th style="text-align: center;"><u>Percent Passing</u></th></tr> </thead> <tbody> <tr> <td style="text-align: center;">4 inch</td><td style="text-align: center;">100</td></tr> <tr> <td style="text-align: center;">No. 4</td><td style="text-align: center;">0-10</td></tr> <tr> <td style="text-align: center;">No. 200</td><td style="text-align: center;">0-5</td></tr> </tbody> </table>	<u>Sieve Size</u>	<u>Percent Passing</u>	4 inch	100	No. 4	0-10	No. 200	0-5
<u>Sieve Size</u>	<u>Percent Passing</u>								
4 inch	100								
No. 4	0-10								
No. 200	0-5								
SUBSECTION:	805.13.03 Channel Lining, Class IA.								
REVISION:	Replace the first sentence with the following: Provide crushed stone meeting the general requirements of this section.								
SUBSECTION:	805.13.03 Channel Lining, Class II.								
REVISION:	Replace the first sentence with the following: Provide crushed stone meeting the general requirements of this section.								
SUBSECTION:	805.15 GRADATION ACCEPTANCE OF NON-SPECIFICATION COARSE AGGREGATE.								
TABLE:	GRADATION – COARSE AGGREGATES FOR UNDERDRAINS								
REVISION:	Replace "No. 200" sieve with "No. 100".								
SUBSECTION:	810.03.04 Extra Protection								
REVISION:	Replace "mm" in the second sentence of the third paragraph with "inches".								

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SECTION:	810.03 REINFORCED CONCRETE PIPE.																							
REVISION:	Add new subsection: 810.03.07 Concrete. Submit Concrete Mix Design to the Central Office Materials.																							
SECTION:	812.01.01 Structural Steel, All Types.																							
REVISION:	Replace second sentence with the following: When the supplementary requirement of this specification are specified, they exceed the requirements of ASTM A 36, A 514, A 572, A 588, and ASTM A 852.																							
SUBSECTION:	812.01.01 Structural Steel, All Types.																							
PART:	A) Structural Steel.																							
REVISION:	Delete AASHTO M 183.																							
SUBSECTION:	812.01.01 Structural Steel, All Types.																							
PART:	B) High-Strength Low-Alloy Columbium-Vandium Steels of Structural Quality.																							
REVISION:	Delete AASHTO M 223.																							
SUBSECTION:	812.01.01 Structural Steel, All Types.																							
PART:	C) High-Strength Low-Alloy Structural Steel with 345 Mpa Minimum Yield Point to 4 Inches Thick.																							
REVISION:	Delete AASHTO M 222.																							
SUBSECTION:	812.01.01 Structural Steel, All Types.																							
PART:	E) High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding.																							
REVISION:	Delete AASHTO M 244.																							
SECTION:	813.08.05 Aluminum Alloy Rolled or Extruded Shapes.																							
REVISION:	Replace “T-4 AND T6” with “T6”.																							
SUBSECTION:	813.09.02 High-Strength Steel Bolts, Nuts, and Washers.																							
PART:	A) Bolts.																							
REVISION:	<table><tr><th colspan="5">HARDNESS NUMBER</th></tr><tr><th rowspan="2">Bolt Size (in)</th><th colspan="2">Brinell</th><th colspan="2">Rockwell C</th></tr><tr><th>Min</th><th>Max</th><th>Min</th><th>Max</th></tr><tr><td>½ - 1</td><td>253</td><td>319</td><td>25</td><td>34</td></tr></table>					HARDNESS NUMBER					Bolt Size (in)	Brinell		Rockwell C		Min	Max	Min	Max	½ - 1	253	319	25	34
HARDNESS NUMBER																								
Bolt Size (in)	Brinell		Rockwell C																					
	Min	Max	Min	Max																				
½ - 1	253	319	25	34																				
SUBSECTION:	813.13 MATTRESSES AND GABIONS.																							
REVISION:	Replace the first sentence of the first paragraph with the following: Conform to ASTM A 975, Style 1 or ASTM A 974, Style 1 or 2.																							
SUBSECTION:	814.04.01 Steel Guardrail Posts.																							
REVISION:	Replace AASHTO M 183 in the first sentence with ASTM A 36.																							
SUBSECTION:	814.05.02 Composite Plastic.																							
REVISION:	Add the following sentence to the first paragraph: Rubber is an acceptable alternate to plastic in their composition.																							
SUBSECTION:	814.06 MATERIALS FOR END TREATMENTS.																							
PART:	D) Steel Sheet (for rail plates and mounting brackets).																							
REVISION:	Replace 570, Grade D with the 1011, Type SS, Grade 36.																							
SUBSECTION:	816.02 GENERAL.																							
REVISION:	Replace ASTM D 2521 with ASTM A 239.																							
SUBSECTION:	816.02.02 Aluminum-Coated Steel.																							
REVISION:	Replace 0.01 with 0.099.																							
SUBSECTION:	819.01.01 Steel Plates.																							
REVISION:	Replace “Paragraph 14” in the second sentence of the second paragraph with “Table 6”.																							
SUBSECTION:	821.03 SAMPLING AND TESTING.																							
REVISION:	In the third sentence of the first paragraph, replace calendar days with working days.																							

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2000 Edition
(Effective with the February 14, 2003 Letting)**

SUBSECTION: 827.04 PERMANENT SEED.

REVISION: Replace with the following:

Conform to the requirements outlined in the “Kentucky Seed Law and Provisions for Seed Certification in Kentucky” and the “Regulations under the Kentucky Seed Law”, with following exceptions:

1. Obtain seed only through registered dealers that are permitted for labeling of seed.
2. Ensure all deliveries/shipments of premixed seed are accompanied with a master blend sheet.
3. The Department may sample the seed at the job site at any time.
4. Ensure all bags and containers have an acceptable seed tag attached.

Do not use seed (grasses, native grasses and legumes) if the weed seed is over 2%, total germination (including hard seed) is less than 60%, if the seed test date is over 9 months old exclusive of the month tested, or if the limits of noxious weed seed is exceeded.

Ensure that noxious weed seeds contained in any seed or seed mixture does not exceed the maximum permitted rate of occurrence per pound.

<u>Name of Kind</u>	<u>Max. No. Seeds (per pound)*</u>
Balloon Vine (<i>Cardiospermum Halicacabum</i>)	0
Purple Moonflower (<i>Ipomoea turbinata</i>)	0
Canada Thistle (<i>Cirsium Arvense</i>)	0
Johnsongrass (<i>Sorghum Halepense</i> and <i>Sorghum Almum</i> and perennial rhizomatous derivatives of these species)	0
Quackgrass (<i>Elytrigia Repens</i>)	0
Annual Bluegrass (<i>Poa Annua</i>)	256
Buckhorn Plantain (<i>Plantago lanceolata</i>)	304
Corncockle (<i>Agrostemma Githago</i>)	192
Dodder (<i>Cuscuta</i> spp.)	192
Giant Foxtail (<i>Setaria Faberii</i>)	192
Oxeye Daisy (<i>Chrysanthemum leucanthemum</i>)	256
Sorrel (<i>Rumex Acetosella</i>)	256
Wild Onion and Wild Garlic (<i>Allium</i> spp.)	96

* Seed or seed mixtures that contain in excess of 480 total noxious seeds per pound is prohibited
Wildflower seed shall not be planted until approved by the MCL.

SUBSECTION: 832.02 TYPE I POSTS.

REVISION: Replace ASTM A 570 with ASTM A 1011.

SECTION: 840 RAISED PAVEMENT MARKERS

REVISION: Replace the section with the following:

840.01 TYPE IV MARKERS. Provide markers from the Department’s List of Approved Materials. Type IV markers are replacement lenses for use in Type V marker castings.

840.02 TYPE V MARKERS. Provide markers from the Department’s List of Approved Materials. Type V markers consist of an iron casting with a Type IV marker (mono or bi-directional) attached.

840.03 TYPE IVA MARKERS. Provide markers from the Department’s List of Approved Materials. Type IVA markers are surface mounted lenses for temporary use in work zones.

840.04 SAMPLING. Obtain a manufacturer’s certification for each shipment. Include with each shipment of adhesive a written statement from the manufacturer certifying that it conforms to the recommendations of the marker manufacturer, and stating the minimum temperature the adhesive can be satisfactorily mixed and applied.

840.05 PACKAGING. Suitably and substantially package all materials with the name and address of the manufacturer and vendor, contract or purchase number, kind of material, trade name, and net contents plainly marked on each package.

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2000 Edition
(Effective with the February 14, 2003 Letting)**

SUBSECTION:	843.01.01 Geotextile Fabric.								
REVISION:	Add the following sentence to the first paragraph: Use circular-knit geotextile conforming to ASTM D 6707 for perforated pipe socks. Add the following sentence to the third paragraph: The manufacturer must participate in the National Transportation Product Evaluation Program (NTEP) for Geotextiles and Geosynthetics.								
SUBSECTION:	843.01.01 Geotextile Fabric.								
PART:	C) Acceptance.								
REVISION:	Delete the burst strength requirement from each table.								
SUBSECTION:	845.02.03 Wrapping.								
REVISION:	Replace Section 845 with Section 843, Type II.								
SECTION:	846 HIGH DENSITY POLYETHYLENE (HDPE) ADJUSTING RINGS								
REVISION:	Add New Section: 846.01 RESIN. Use a recycled polyethylene plastic or virgin resin producing a molded part meeting the following requirements: <table> <tr> <td>Melt Flow Index (ASTM D 1238)</td><td>4.0-10.0 g/10min</td></tr> <tr> <td>Density (ASTM D 792)</td><td>0.941-0.965 g/cm³</td></tr> <tr> <td>Tensile (ASTM D 638)</td><td>2000-5000 lb/in²</td></tr> <tr> <td>ESCR (ASTM D 1693)</td><td>Condition C</td></tr> </table> 846.02 LOADING. Ensure the adjustment rings meet or exceed the loading requirements of AASHTO'S Standard Specification for HS-25 wheel loading for Highway Bridges.	Melt Flow Index (ASTM D 1238)	4.0-10.0 g/10min	Density (ASTM D 792)	0.941-0.965 g/cm ³	Tensile (ASTM D 638)	2000-5000 lb/in ²	ESCR (ASTM D 1693)	Condition C
Melt Flow Index (ASTM D 1238)	4.0-10.0 g/10min								
Density (ASTM D 792)	0.941-0.965 g/cm ³								
Tensile (ASTM D 638)	2000-5000 lb/in ²								
ESCR (ASTM D 1693)	Condition C								

**SPECIAL NOTE FOR ACCEPTANCE OF DENSITY
OF LONGITUDINAL JOINTS IN ASPHALT SURFACE PAVEMENTS**

This Special Note will apply when indicated on the plans or in the proposal. Section references herein are to the Department's 2000 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. This note specifies additional density acceptance testing required for the longitudinal joint of asphalt surface mixtures compacted under Option A requirements. Due to the inherent difficulty of compacting longitudinal joints, conventional methods of compaction may not be adequate to achieve the desired level of density.

2.0 MATERIALS AND EQUIPMENT. Reserved.

3.0 CONSTRUCTION.

3.1 Acceptance. In addition to the responsibilities of Subsection 402.03.02 D), furnish 2 cores per subplot at a location randomly selected in the longitudinal direction by the Engineer according to KM 64-113. Select the transverse direction such that some part of the core circumference is within 3.0 ± 0.5 inches of the longitudinal joint.

By the end of the following workday, obtain the core(s) from the longitudinal joint as each lane of material is placed. Do not wait for the adjoining lane to be placed before obtaining the core(s) from the longitudinal joint.

4.0 MEASUREMENT. The Department will not measure the additional coring required by this note for payment and will consider it incidental to the asphalt mixture.

5.0 PAYMENT.

5.1 Lot Pay Adjustment. Contrary to Subsection 402.05.02, the Department will use the following Lot Pay Adjustment Schedule to assign pay values for AC, AV, VMA, Lane Density, and Joint Density within each subplot.

5.2 Joint Density Deductions. Due to a lack of experience with longitudinal joint density requirements, the Department will not enforce net project deductions resulting from Joint Density values as given in the Lot Pay Adjustment Schedule. However, when bonuses exceed deductions for asphalt mixture for the total project, the Department will apply the Joint Density values and pay the net difference.

LOT PAY ADJUSTMENT SCHEDULE

Lot Pay Adjustment = (Unit Price) (Quantity) [{0.05(AC Pay Value) + 0.25(AV Pay Value) + 0.25(VMA Pay Value) + 0.30(Lane Density Pay Value) + 0.15(Joint Density Pay Value)} - 1.00]

WEIGHTED VALUES					
	AC	AV	VMA	Lane Density	Joint Density
Weight (%)	5	25	25	30	15

AC	
Pay Value	Deviation From JMF (%)
1.00	$\leq \pm 0.5$
0.95	± 0.6
0.90	± 0.7
^{a)}	$\geq \pm 0.8$

VMA	
Pay Value	Deviation From Minimum
1.00	\geq min. VMA
0.95	0.1-0.5 below min.
0.90	0.6-1.0 below min.
^{a)}	> 1.0 below min.

AV	
Pay Value	Test Result (%)
1.05	3.5-4.5
1.00	3.0-5.0
0.95	2.5-5.5
0.90	2.0-6.0
^{a)}	< 2.0 or > 6.0

LANE DENSITY	
Pay Value	Test Result (%)
1.05	94.0-96.0
1.00	92.0-93.9
0.95	91.0-91.9 or 96.1-96.5
0.90	90.0-90.9 or 96.6-97.0
^{a)}	< 90.0 or > 97.0

JOINT DENSITY	
Pay Value	Test Result (%)
1.05	91.0-96.0
1.00	89.0-90.9
0.95	88.0-88.9 or 96.1-96.5
0.90	87.0-87.9 or 96.6-97.0
0.75	< 87.0 or > 97.0

^{a)} The Department will evaluate the acceptability of the work. When the Department allows the Contractor to leave the work in place, the Department will determine its value and may pay up to, but no case more than, 85 percent. In addition to the reduction in pay, the Department may require the Contractor to perform corrective action to the work.

June 4, 2002

TRAFFIC CONTROL PLAN

TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the 2000 Standard Specifications and the Standard Drawings, current editions. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work.

Deliver pavement markers removed from existing pavement to the Department's Franklin County Bridge Lot in Franklin County.

PROJECT PHASING & CONSTRUCTION PROCEDURES

At the discretion of the Engineer, days and hours may be specified when lane closures will not be allowed.

One lane of traffic in each direction shall be maintained at all times during construction. The clear lane width shall be 11 feet; however the Contractor shall be prepared to accommodate passage of vehicles up to 16 ft. in width through the work zone

PHASE I - Construct slotted drainpipe, asphalt median and pavement for inside lanes. Maintain traffic on the outside travel lanes.

PHASE II - Move all traffic to inside lanes. Construct pavements for outside travel lanes. Construct outside shoulder base course. Construct guardrail on outside shoulders.

LANE CLOSURES

Contrary to Section 112.04.16, only long term lane closures (those intended to be in place continuously for more than 3 days) will be measured for payment; short term lane closures (those intended to be in place for 3 days or less) and lane closures for mobile operations will not be measured for payment but will be incidental to Maintain and Control Traffic.

MEDIAN CROSS-OVERS

Construct median cross-overs throughout the project work area for Phases I and II according to the Standard Drawings

SIGNS

Low Shoulder signs will be bid incidental to Maintain and Control Traffic according to Section 745.

BARRICADES

Barricades used in lieu of drums and cones for channelization or delineation will be incidental to Maintain and Control Traffic according to Section 112.04.01. Barricades used to protect pavement removal areas will be bid as each according to Section 112.04.04.

TEMPORARY ENTRANCES

The Contractor will not be required to provide continuous access to single family, duplex, or triplex residential properties during a working hours; however, the Contractor shall provide reasonable egress and ingress to each such property when actual operations are not in progress at that location. The time during which a residential entrance is blocked shall be the minimum length of time required for actual operations, shall not be extended for the Contractor's convenience, and in no case shall exceed six (6) hours. The Contractor shall notify all residents twenty-four hours in advance of any driveway or entrance closings and shall make any accommodations necessary to meet the access needs of disabled residents.

Access to side streets and roads, schools, churches, commercial properties and apartments or apartment complexes of four or more units must be maintained at all times.

Payment will be allowed at the unit price bid for all asphalt materials required to construct and maintain any temporary entrances which may be necessary to provide temporary access; however, no direct payment will be allowed for aggregates, excavation and/or embankment needed. The Engineer will determine the type of surfacing material, asphalt or aggregate, to be used at each entrance.

TRAFFIC COORDINATOR

The Contractor shall designate an employee to be traffic coordinator. The Traffic Coordinator shall inspect the project maintenance of traffic once every two hours during the Contractor's operations and at any time a lane closure is in place. The Traffic Coordinator shall report all incidents throughout the work zone to the Engineer on the project. The Contractor shall furnish the name and telephone number where the Traffic Coordinator can be contacted at all times.

During any period when the road closure or any lane closure is in place, the Traffic Coordinator shall arrange for personnel to be present on the project at all times to inspect the traffic control and to maintain the signing and devices. The personnel shall have access on the project to a radio or telephone to be used in case of emergencies or accidents.

PAVEMENT EDGE DROP-OFFS

A pavement edge between opposing directions of traffic or lanes that traffic is expected to cross in a lane change situation shall not have an elevation difference greater than 1-1/2". Warning signs (MUTCD W8-11 or W8-9A) shall be placed in advance of and at 1500 foot intervals throughout the drop-off area. Dual posting on both sides of the traveled way shall be required. All transverse transitions between resurfaced and unresurfaced areas which traffic may cross shall be wedged with asphalt mixture for leveling and wedging. The wedges shall be removed prior to placement of the final surface course.

Pavement edges that traffic is not expected to cross, except accidentally, shall be treated as follows:

Less than 2 inches - No protection required.

2 inches to 4 inches - Place plastic drums, vertical panels, or barricades every 50 feet. Cones may be used in place of plastic drums, panels, and barricades during daylight working hours. Wedge with asphalt mixture for leveling and wedging with a 1:1 or flatter slope in daylight hours, or 1:3 or flatter slope during nighttime hours, when work is not active in the drop-off area.

Greater than 4 inches - Drop-offs exceeding 4 inches will be allowed only during active operations during the interval between placement of the asphalt base courses in adjacent lanes and roadbed stabilization areas. Place plastic drums, vertical panels or barricades every 40 feet. Drop-offs less than eight feet behind a lane or shoulder closure shall be protected by a asphalt wedge with 3:1 or flatter slope; the wedge shall be removed and the base course in the adjacent lane placed as soon as possible.

In lieu of a wedge, drop-offs at lateral trenches may be covered by a 1" thick steel plate when work is not actively in progress at the pavement removal area; the plate shall be anchored to the pavement by any method approved by the Engineer that will prevent it being dislodged by accidental impact. If for any reason, it is necessary to excavate small areas, any holes adjacent to traffic where there exists a possibility that a vehicle may drop a wheel into the holes shall be filled with asphalt or plated. No direct payment will be made for the wedge or steel plates, but shall be incidental to other items of work.

SPECIAL NOTES FOR GUARDRAIL

I. DESCRIPTION

This work shall be performed in accordance with the Department's 2000 Standard Specifications and applicable Special Provisions and Standard Drawings except as specified in these notes, or elsewhere in the drawings or the proposal. Article references are to the Standard Specifications.

This work shall consist of the following; (1) Removing existing guardrail, end treatments, and crash cushions; (2) Installation of single face guardrail, terminal sections, end treatments and Crash Cushions; (3) Maintaining and controlling traffic; and (4) all other work specified as part of this contract.

II. MATERIALS

All materials shall be sampled and tested in accordance with the Department's Sampling Manual and the materials shall be available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in these Notes.

III. CONSTRUCTION METHODS

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Remove Guardrail. Remove all existing guardrail systems and crash cushions; milepoints listed on the guardrail summary are approximate only. All posts shall be removed within 24 hours of removing rail. Deliver all components other than removed concrete to the Department's Bridge Yard in Franklin County.

C. Site Preparation. The Contractor will be responsible for all site preparation. This item shall include, but is not limited to, incidental excavation and backfilling, removal of obstructions or any other items, disposal of materials, and temporary erosion control, and seeding and protection. Silt Checks and Temporary Silt Fence shall be constructed at locations as directed by the Engineer. All site preparation shall be only as approved or directed by the Engineer. Other than bid items listed in the contract, no direct payment will be allowed for site preparation, but shall be incidental to the other items of the work.

D. Guardrail Installation. The guardrail, end treatments, and crash cushions shall be erected to the lines and grades shown on Standard Drawings or as directed by the Engineer. The shoulder width shall be as directed by the Engineer. Radii at entrances and road intersections are to be constructed as directed by the Engineer. Milepoints listed on the guardrail summary are approximate only. Exact termini for individual guardrail installations will be determined by the Engineer at the time of erection.

When installing guardrail the blunt end shall not be left exposed where it would be hazardous to the public. When it is not practical to complete the construction of the rail and the permanent end treatments concurrently, the Contractor shall provide a temporary end by

connecting at least 4 pieces of rail to the last post, and by slightly flaring, and burying the end of the rail completely into the existing shoulder. If left overnight, a drum with bridge panel as detailed on current Standard Drawing TSC-261 shall be placed in advance of the guardrail end and maintained during use. The cost of the temporary end, including the barrier and panel, shall be included in the unit price for Guardrail, Single Face.

E. On-Site Inspection. Each Contractor submitting a bid for this work shall make a thorough inspection of the site prior to submitting his bid and shall thoroughly familiarize him-self with existing conditions so that the work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. Any claims resulting from site conditions will not be honored by the Department.

F. Property Damage. The Contractor will be responsible for all damage to public and/or private property resulting from his work.

G. Final Dressing, Clean Up, and Seeding. After all work is completed, debris from the construction site shall be completely removed from the job site. All disturbed areas other than granular embankments and rock cuts shall receive final dressing Class A and be sown with Seed Mixture No. 1.

H. Right-of-Way Limits. Right-of-Way limits have not been determined. The Contractor shall make every effort to limit his activities to obvious Right-of-Way, Permanent or Temporary Easements, and work areas secured by the Department through consent and release of the adjacent property owners, and shall be responsible for encroachments onto private lands.

I. Utility Clearance. Work around and do not disturb existing overhead utilities. **There are known underground utilities within the construction work area. The Contractor is to contact Before-U-Dig (BUD) services and utility owners prior to excavation for information on the location of existing underground utilities.** It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities. Working days will not be charged for those days on which work on the controlling item is delayed, as provided in the Specifications. If the total delay exceeds ten working days, an extension of the specified completion date will be negotiated with the Contractor for delay to the Contractor's work.

IV. METHOD OF MEASUREMENT

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Remove Crash Cushions Type 6 and 6D. Crash cushion Type 6 and 6D removed from project and delivered to the Department's Maintenance lot at Shelbiana in Pike County.

- C. **Site Preparation.** Other than bid items listed in the contract, no direct payment will be allowed for site preparation, but shall be incidental to the other items of the work.
- D. **Silt Check, Silt Fence, and Seeding and Protection.** Contrary to Section 212, silt fence, and seeding and protection, if required by the Contractor's operations will not be measured for separate payment, but will be incidental to Guardrail, Single Face.

V. BASIS OF PAYMENT

No direct payment will be made other than for the bid items listed. All other items required to complete the construction shall be incidental to the bid items listed.

- A. **Maintain and Control Traffic.** See Traffic Control Plan.
- B. **Remove Crash Cushions Type 6 and 6D.** Payment at the contract unit price each shall be full compensation for all labor, materials, equipment, and incidentals necessary to remove the crash cushions from the barrier wall. Preserve the concrete pad and barrier wall, and delivery of the crash cushions to the Department's Maintenance lot at Shelbiana in Pike County.

PROJECT DESCRIPTION

The goal of this project is the pavement rehabilitation of U.S. 23 in Floyd County from M.P. 0.00 to M.P. 10.100 in both the northbound and southbound lanes. All work shall be completed by April 30, 2004. The project includes the following major items:

1. Reconstruction of the pavement :
 - a.) Pavement Base will be rehabilitated
 - b.) Shoulders will be paved.
2. Guardrail will be replaced throughout the project. Guardrail currently in the median will be replaced with barrier wall
3. Drainage improvements shall include:
 - a.) Reconstruction of all median boxes;
 - b.) Ditching and shouldering throughout the project;
 - c.) Cleaning of reinforced concrete box culverts.
 - d.) Cleaning of drainage ditches as directed by the Engineer.
 - e.) Placing entrance pipes and headwalls.
4. Elimination of mountable median throughout the project where applicable. Lip curb and gutter to be installed along the median as directed by the Engineer.
5. Pneumatic Backstowing of old Mine Openings. (See Special Note for Backstowing)
6. Elimination of Depressed Median throughout the project as directed by the Engineer.
7. Slotted drain pipes and boxes to be constructed throughout the project.

Other miscellaneous items are defined in the notes and quantities estimated in the general summary.

The rehabilitation of this section of U.S. 23 will involve repaving as shown on the pavement details. All shoulders are to be paved. The raised mountable median is to be eliminated throughout the project where applicable. All existing crossovers (where applicable) shall be replaced by striping or other acceptable methods. Drop inlets within the median are to be rebuilt flush with the new pavement. Ditching and shouldering, guardrail replacement, and other items of work are set out in this proposal. Cleaning of reinforced concrete box culverts shall be accomplished.

The work of this project is described in reference to Mile Point (M. P.) baseline measured along the centerline.

Traffic control will consist of lane closures described in the attached Traffic Control Notes. The traffic control will extend beyond the limits of the work. Separation of traffic will be accomplished using drums. Lane closures will be sequenced such that the median and interior traffic lanes will be constructed first, followed by the construction of the outside lanes. Thermoplastic (6") striping will be used as well as Low Profile Pavement Markers. Remove all old pavement markers to the Department's Franklin County Bridge Lot.

Project Description

The dimensions shown on the typical sections for pavement and shoulder widths and thickness are nominal or typical dimensions. The actual dimensions to be constructed may be varied to fit existing conditions as directed or approved by the Engineer. It is not intended the existing pavement or shoulders be widened unless specified elsewhere in the Proposal.

Asphalt seal required from outside edge of paved shoulder to a point 2.0 feet down the ditch or fill slope. Two applications of the following:

Emulsified Asphalt RS-2
Asphalt Seal Aggregate

Place Rumble Strips on the outside shoulders and on each side of the flush median. When there is a left turn lane in the median, no rumble strips shall be placed.

Flush median sections shall have raised pavement markers and rumble strips.

Construct tie-ins for the overlay on traffic lanes according to the "Mainline Tie-ins for Overlays" details. Leveling and wedging is provided on this project. A scratch course will be used between the base and surface as directed by the Engineer.

Milled pavement shall not be opened to traffic until the milled locations have been filled using new bituminous material. A quantity of milling shall be performed for texture on steep grades to a maximum depth of four (4) inches. All locations shall be approved by the Engineer.

All bituminous concrete millings shall become the property of the Contractor. Cost of hauling millings shall be incidental to bituminous pavement milling and texturing.

Classification of the pavement base repair areas was done without subsurface exploration and are of a general nature. Milling and/or excavation during construction may reveal conditions not evident at the time of this evaluation. Pavement base repair shall be at the locations and by the methods directed by the Engineer.

SPECIAL NOTES FOR PAVEMENT REHABILITATION

GENERAL

All work shall be performed in accordance with the Department's 2000 Standard Specifications and applicable Special Provisions and Standard Drawings except as specified in these notes or elsewhere in this proposal. Article references are to the Standard Specifications.

SITE PREPARATION

The Contractor will be responsible for all site preparation. This item shall include, but is not limited to, incidental excavation and backfilling, removal of obstructions or any other items, disposal of materials, and temporary erosion control. Embankment in Place is allocated for the depressed median. Silt Checks and Temporary Silt Fence shall be constructed at locations as directed by the Engineer. All site preparation shall be only as approved or directed by the Engineer. Contrary to Section 213.04, Temporary Silt Fence will not be measured for payment but will be incidental to the other items of work.

ASPHALT MIXTURES

The asphalt base and surface shall be constructed as shown on the typical section and according to the phasing specified in the Traffic Control Plan.

GUARDRAIL

See Special Notes for Guardrail.

REMOVING PAVEMENT, CURBS, & MEDIAN

Remove pavement, curbs, and medians as required for the work and to maintain and control traffic. Remove curb and gutter will be measured and paid by the lineal foot. Remove pavement will be measured in tons of milling and texturing and will include the horizontal surface area of all pavement, curbs, and medians. The Department will consider remove pavement to include the pavement, asphalt base, medians and underlying DGA or other aggregate base. Payment removal for the preparation of the Median Barrier Wall shall be incidental to the Barrier Wall.

BASE FAILURE REPAIRS

Exact individual repair areas will be determined by the Engineer. Mill areas according to the Category details listed below. On the same day each area is milled, inlay the area with an equal amount of Asphalt Base CL 4 1.50D (PG 64-22). After base application is made, the repair area shall be opened to traffic for at least fourteen (14) days, to allow for ultimate settlement, before final surface is applied.

CATEGORY "B" BASE FAILURE REPAIR

This item shall include all work necessary for repair of a class "B" Base Failure (refer to Detail "B"). The incidental items involved in this repair, include but are not limited to the following:

- 1.) Furnishing and installing approved pavement reinforcement material.

CATEGORY "C" BASE FAILURE REPAIR

Repair of Category "C" Base Failures shall be as directed by the Engineer (refer to Detail "C"). The incidental items involved in this repair, include but are not limited to the following:

- 1.) Furnishing and installing approved pavement reinforcement material.

RECONSTRUCT BOX INLETS

Reconstruct median drop box inlets and curb box inlets as required by the work and as directed by Engineer. Existing grates, frames, and lids may not be reused. Furnish new grates, frames, and lids. The grates provided for this item as well as the construction of new boxes MUST be structural steel; no alternates will be accepted. Deliver existing frames, grates, and lids to the Department's Bridge Yard in Franklin County. Positive drainage into the adjusted inlets is required upon completion of the project and is the responsibility of the Contractor. Payment at the Contract unit price each shall be full compensation for all materials, equipment, labor, and incidentals required building or reconstructing the inlets.

PAVEMENT STRIPING & RAISED PAVEMENT MARKERS

See Traffic Control Plan.

MODIFIED LIP CURB AND GUTTER

Lip Curb and Gutter Modified-A shall be as shown on Typical Section. Construct Lip Curb and Gutter Modified-A on top of Modified Open-Graded Drainage Course as shown on typical section. Lip Curb and Gutter Modified-A shall be according to Standard Drawing RPM-100, except that the thickness of the base shall be variable as directed by the Engineer.

WASTING ON RIGHT OF WAY

Some waste material shall be used on Right of Way as directed by the Engineer. This material will be used for site preparation for guardrail end treatments, backfill around structures and roadway widening and will not be paid as embankment in place. All other waste materials shall be wasted at locations off the right of way at sites obtained by the Contractor. Suitable waste material used to fill depressed median will be paid as embankment in place.

ENTRANCE IMPROVEMENTS

At MP 0.500 Northbound, Left Fork of Pinhook, there will be a pipe replacement. Replace the existing 15" RCP with an 18" RCP and install Slope and Flare Headwall at the inlet and outlet end.

At MP 1.800 Northbound, Betsy Layne Traffic Signal, extend the outlet and inlet end of existing 18" RCP with 18" RCP. Install slope and Flare Headwall at each end. Also install Drop Box at same location, northbound lane, on the south side of entrance.

Edge keys will be installed at all state and county roads.

Headwalls are to be installed at entrances where pipes are within clear zone.

Concrete entrances are to be replaced with asphalt at approximately MP 4.100 and MP 8.200. Exact location will be as directed by Project Engineer.

HEADWALLS

The slope of headwalls constructed at entrance pipes shall match terrain.

CRUSHED STONE BASE

No separate item shall be paid for excavation in preparation for placing Crushed Stone Base. Excavation shall be considered incidental.

CLEAN UP AND SEEDING

After all work is completed, debris from construction shall be completely removed from the job site. All disturbed earth areas in medians, shoulders and slopes, or else where on the right of way shall be satisfactorily graded and then roughened with a bulldozer, disc, or other equipment and sown with seed mixture No. 1. Contrary to Sections 212.04 and 213.04, Seeding and Protection will not be measured for payment but shall be incidental to the other items of work.

ON-SITE INSPECTION

Each Contractor submitting a bid for this work shall make a thorough inspection of the site prior to submitting his bid and shall thoroughly familiarize him-self with existing conditions so that the work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. Any claims resulting from site conditions will not be honored by the Department.

CAUTION

Information shown on the drawings and in this proposal and the types and quantities of work listed are not to be taken as an accurate or complete evaluation of the material and conditions to be encountered during construction. The bidder must draw his-own conclusion as to the conditions encountered. The department does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation if the conditions encountered are not in accordance with the information shown.

RIGHT-OF-WAY LIMITS

The exact limits of Right-of-Way have not been established by the Department. The Contractor shall limit his activities to obvious Right-of-Way, permanent or temporary easements, and work areas secured by the Department through consent and release of the adjacent property owners. The Contractor shall be responsible for all encroachments onto private lands.

PROPERTY DAMAGE

The Contractor shall be responsible for all damage to public and/or private property resulting from his work. All disturbed features shall be restored in like kind materials and designed at no additional cost to the Department.

COORDINATION OF WORK

The Contractor is advised that other projects may be in progress within or in the near vicinity of this project. Those projects and events may affect this project. The Contractor shall coordinate the work on this project with the work of the other contractors. In case of conflict, the Engineer shall determine the relative priority to give to work phasing.

PROJECT PHASING

Lanes may be closed through the whole project and remain closed until that phase of the project is completed. Two travel lanes (one in each direction) shall remain open at all times.

All work to be done on the median and shoulder shall be performed only during those times when the adjacent lane is closed to traffic. Paving during any work period shall be scheduled so that no abrupt differences in elevation across the roadway and shoulder will remain during exposure to traffic.

Phase I of the construction will be work on the inside lanes and the median. This shall include but not limited to base failure repair, reconstructing median boxes, placing slotted drain pipe, leveling and wedging, and the asphalt overlay through the surface course. The contractor will be allowed, upon request and as approved by the Engineer, to complete both the inside and outside lanes provided that all courses are brought even at the end of each day of paving. Phase II of the construction will be the work on the outside lanes and outside shoulders. This shall include base failure repair, removal and resetting of all traffic signs, replacement of all guardrail, and the asphalt overlay through the base course.

PORTABLE FLASHING ARROW:

The contractor shall provide (2) portable flashing arrows as indicated in the standard drawings per project. The portable flashing arrows shall be mounted on traffic-worthy carriages that meet all applicable safety standards. The arrows shall meet the requirements specified in the current Standard Drawings. All flashing arrows shall be solar powered, NOT gasoline or diesel powered. Payment for the portable flashing arrows will be for "each". Payment shall be full compensation for providing, placing, operating, relocating and maintaining the portable flashing arrows.

The Contractor shall have available one reserve-flashing arrow to be placed in operation in the event of damage or mechanical/electrical failure. No direct payment will be allowed for the reserve unit. All flashing arrows shall remain the property of the Contractor.

SLOTTED DRAIN PIPE:

Slotted drains will be constructed along the center of the median through every curve, where the standard curb is removed or as directed by the Engineer. Pay limits for slotted drainpipes shall be measured from the beginning of the slotted drainpipe and extend to the clean out box. All Steel Reinforcement, Class "A" Concrete, storm sewer pipe and all other items necessary to complete the placement of slotted drain pipes shall be incidental to slotted drainpipe. See Standard Drawing RDI-200 for details.

SPECIAL NOTE FOR COMPLETION DATE & LIQUIDATED DAMAGES

All work shall be completed by April 30, 2004. Contrary to Section 108, liquidated damages will be assessed for the months of December through March.

Contrary to Section 108, liquidated damages will be assessed for the months of December through March.

All liquidated damages will be applied accumulatively.

All other applicable portions of Section 108 apply.

**UTILITY NOTES TO BE INCLUDED IN THE PROPOSAL
SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION**

**FLOYD COUNTY
FD04 036 0023 000-011
PIKEVILLE - PRESTONSBURG ROAD (US23)
ITEM NO. 12 - 2010.00**

The following utility companies have facilities to be relocated and/or adjusted on subject project.

THERE ARE NO UTILITIES INVOLVED ON THIS PROEJCT.
THERE IS NO RAILROAD INVOLVEMENT ON THIS PROJECT.
THE PROJECT CAN BE LET AS SCHEDULED.

PROTECTION OF UTILITIES

The relocation of utilities provided in the contract documents has been furnished by the facility owners and/or by reviewing record drawings and may not be accurate. It will be the roadway contractor's responsibility to locate utilities before excavating by calling the various utility owners and by examining any supplemental information supplied by the cabinet. If necessary, the roadway contractor shall determine the exact location and elevation of utilities by hand digging to expose utilities before excavating in the area of a utility. The cost for repair and any other associated costs for any damage to utilities caused by the roadway contractor's operations shall be borne by the roadway contractor.

The Contractor is advised to contract the BUD one-call system; however, the Contractor should be aware that owners of underground facilities are not required to be members of the BUD one-call system. It may be necessary for the Contractor to contact the County Court Clerk to determine what utility companies have facilities in the project area.

**SPECIAL NOTE
FOR PNEUMATIC BACKSTOWING:**

At the direction of the Engineer, voids shall be back filled a minimum distance of 20 feet from the face of the cut. To insure that the void is completely back filled, pneumatic backstowing using No. 57's gradation will be required. The last 5 feet, horizontally, of backstowed material shall contain five- (5) percent cement, by weight, and shall be backstowed as a slurry mix. This will help provide stability of the backstowed material at the face of the cut. Positive drainage of the tunnels or openings shall be provided through the use of pipe drains, surface ditches or other suitable drainage facilities. Pipes and other material used for drainage, special equipment, and cement shall be incidental and paid for at the unit price per ton of backstowed material.

PART II

SPECIAL PROVISIONS APPLICABLE TO PROJECT

SPECIAL PROVISION NO.

TITLE

13

Crash Cushions (4-5-2000)

*

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
(Copies of each Attached)

1. Schedule of Minimum Wages Established for the Project.
2. Labor and Wage Requirements, applicable to other than Federal-Aid System
Contracts. (Rev. 2-16-95)
3. Executive Branch Code of Ethics.

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

**SHEET ONE
LETTING: 02-14-2003**

PROJECT WAGE RATES

FLOYD COUNTY, FD04 036 0023 000-011

The Pikeville-Prestonsburg Road (US 23)

Asphalt Surface, Guardrail and Signals

CRAFTS	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENTS COMBINED
Boilermakers	24.65	12.94
Bricklayers.....	20.35	6.30
Stone Mason.....	18.95	6.30
Carpenters	18.85	6.30
Cement Masons	18.70	6.30
Electricians	*22.60	6.97

*When workmen are required to work from bosum chairs, trusses, stacks, tanks, scaffolds, catwalks, radio and T.V. towers, structural steel (open, unprotected, unfloored raw steel), and bridges or similar hazardous locations where workmen are subject to a direct fall, except where using JLG's and bucket trucks up to 75 feet: Add 25% to workman's base rate for 50 to 75 feet, and add 50% to workman's base rate for over 75 feet.

Ironworkers: Structural.....	18.95	6.30
Ironworkers: Reinforcing	18.75	6.30
Painters.....	20.55	6.30
Piledrivers.....	18.50	6.30
Plumbers.....	22.52	6.30

Surveyors:

Survey Party Chief (Engineer)..... 12.34

Survey Party Operatives..... 7.21

(Instrumentmen, Rodmen, etc.)

Welders - Receive rate for craft in which welding is incidental.

LABORERS:

General laborer, flagman, steam jenny.

BASE RATE 16.90

FRINGE BENEFITS 6.30

Batch truck dumper, deck hand or scow man.

BASE RATE 17.15

FRINGE BENEFITS 6.30

Power driven tool operator of the following: wagon drill, chain saw, sand blaster, concrete chipper, pavement breaker, vibrator, power wheelbarrow, power buggy, sewer pipe layer, bottom men, dry cement handler, concrete rubber, mason tender.

BASE RATE 17.25

FRINGE BENEFITS 6.30

Two/State

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET TWO 02-14-2003

FLOYD COUNTY, FD04 036 0023 000-011

LABORERS: (continued)

Asphalt lute and rakerman, side rail setter.	BASE RATE	17.30
	FRINGE BENEFITS	6.30
Gunnite nozzle man, gunnite operator.	BASE RATE	17.40
	FRINGE BENEFITS	6.30
Tunnel laborer (free air).	BASE RATE	17.45
	FRINGE BENEFITS	6.30
Tunnel mucker (free air)	BASE RATE	17.50
	FRINGE BENEFITS	6.30
Hand blade operator	BASE RATE	17.65
	FRINGE BENEFITS	6.30
Tunnel miner, blaster and driller (free air).	BASE RATE	17.85
	FRINGE BENEFITS	6.30
Caisson worker	BASE RATE	18.40
	FRINGE BENEFITS	6.30
Powderman	BASE RATE	18.50
	FRINGE BENEFITS	6.30
Drill operator of percussion type drills which are both powered and propelled by an independent air supply.	BASE RATE	19.70
	FRINGE BENEFITS	6.30

TRUCK DRIVERS AND RELATED CLASSIFICATIONS:

Truck helper and warehouseman.	BASE RATE	17.15
	FRINGE BENEFITS	6.30
Driver, winch truck and A-Frame when used in transporting materials.	BASE RATE	17.25
	FRINGE BENEFITS	6.30
Driver (semi-trailer or pole trailer), driver (dump truck, tandem axle), driver of distributor.	BASE RATE	17.35
	FRINGE BENEFITS	6.30

Two/State

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET THREE 02-14-2003

FLOYD COUNTY, FD04 036 0023 000-011

TRUCK DRIVERS AND RELATED CLASSIFICATIONS: (continued)

Driver on mixer trucks (all types).	BASE RATE	17.40
	FRINGE BENEFITS	6.30
Truck mechanic	BASE RATE	17.45
	FRINGE BENEFITS	6.30
Driver (3 tons and under), tire changer and truck mechanic helper.	BASE RATE	17.48
	FRINGE BENEFITS	6.30
Driver on pavement breakers.	BASE RATE	17.50
	FRINGE BENEFITS	6.30
Driver (over 3 tons), driver (truck mounted rotary drill).	BASE RATE	17.69
	FRINGE BENEFITS	6.30
Driver, Euclid and other heavy earth moving equipment and Low Boy.	BASE RATE	18.26
	FRINGE BENEFITS	6.30
Greaser on greasing facilities.	BASE RATE	18.35
	FRINGE BENEFITS	6.30

OPERATING ENGINEERS:

Auto patrol, batcher plant, bituminous paver, cable-way, clamshell, concrete mixer (21 cu. ft. or over), concrete pump, crane, crusher plant, derrick, derrick boat, ditching and trenching machine, dragline, dredge engineer, elevator (regardless of ownership when used for hoisting any building material), elevating grader and all types of loaders, hoe-type machine, hoisting engine, locomotive, LeTourneau or carry-all scoop, bulldozer, mechanic, orangepeel bucket, piledriver, power blade, roller (bituminous), roller (earth), roller (rock), scarifier, shovel, tractor shovel, truck crane, well points, winch truck, push dozer, grout pump, high lift, fork lift (regardless of lift height), all types of boom cats, multiple operator, core drill, tow or push boat, A-Frame winch truck, concrete paver, gradeall, hoist, hyster, material pump, pumpcrete, ross carrier, sheep foot, sideboom, throttle-valve man, rotary drill, power generator, mucking machine, rock spreader attached to equipment, scoomobile, KeCal loader, tower cranes (French, German and other types), hydrocrane, tugger, backfiller guries, self-propelled compactor, self-contained hydraulic percussion drill.

BASE RATE 20.25
FRINGE BENEFITS 6.30

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET FOUR

02-14-2003

FLOYD COUNTY, FD04 036 0023 000-011

OPERATING ENGINEERS: (continued)

All air compressors (200 cu. ft. per min. or greater capacity), bituminous mixer, concrete mixer (under 21 cu. ft.), welding machine, form grader, tractor (50 H.P. and over), bull float, finish machine, outboard motor boat, brakeman, mechanic helper, whirley oiler, tractair and road widening trencher, articulating trucks.

BASE RATE..... 18.50
FRINGE BENEFITS..... 6.30

Greaser on grease facilities servicing heavy equipment.

BASE RATE..... 18.35
FRINGE BENEFITS..... 6.30

Bituminous distributor, cement gun, conveyor, mud jack, paving joint machine, pump, tamping machine, tractors (under 50 H.P.), vibrator, oiler, air compressors (under 200 cu. ft. per min. capacity), concrete saw, burlap and curing machine, hydro seeder, power form handling equipment, deckhand oiler, hydraulic post driver.

BASE RATE..... 17.76
FRINGE BENEFITS..... 6.30

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.

These rates are listed pursuant to the Kentucky Determination No. CR-01-II HWY dated August 6, 2002. Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET FIVE 02-14-2003

FLOYD COUNTY, FD04 036 0023 000-011

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or to the undersigned.

Rick Stansel, Director
Division of Contract Procurement
Frankfort, Kentucky 40622

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

LABOR AND WAGE REQUIREMENTS
APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS

- I. Application
- II. Nondiscrimination of Employees (KRS 344)
- III. Payment of Predetermined Minimum Wages
- IV. Statements and Payrolls

I. APPLICATION

1. These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piecework, station work or by subcontract. The contractor's organization shall be construed to include only workmen employed and paid directly by the contractor and equipment owned or rented by him, with or without operators.

2. The contractor shall insert in each of his subcontracts all of the stipulations contained in these Required Provisions and such other stipulations as may be required.

3. A breach of any of the stipulations contained in these Required Provisions may be grounds for termination of the contract.

II. NONDISCRIMINATION OF EMPLOYEES

AN ACT OF THE KENTUCKY
GENERAL ASSEMBLY TO PREVENT
DISCRIMINATION IN EMPLOYMENT
KRS CHAPTER 344
EFFECTIVE JUNE 16, 1972

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy). The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin is a bona fide occupational qualification for employment.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age (between forty and seventy), in admission to, or employment in

any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

III. PAYMENT OF PREDETERMINED
MINIMUM WAGES

1. These special provisions are supplemented elsewhere in the contract by special provisions which set forth certain predetermined minimum wage rates. The contractor shall pay not less than those rates.

2. The minimum wage determination schedule shall be posted by the contractor, in a manner prescribed by the Department of Highways, at the site of the work in prominent places where it can be easily seen by the workers.

IV. STATEMENTS AND PAYROLLS

1. All contractors and subcontractors affected by the terms of KRS 337.505 to 337.550 shall keep full and accurate payroll records covering all disbursements of wages to their employees to whom they are required to pay not less than the prevailing rate of wages. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of one (1) year from the date of completion of this contract.

2. The payroll records shall contain the name, address and social security number of each employee, his correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid.

3. The contractor shall make his daily records available at the project site for inspection by the State Department of Highways contracting office or his authorized representative.

Periodic investigations shall be conducted as required to assure compliance with the labor provisions of the contract. Interrogation of employees and officials of the contractor shall be permitted during working hours.

Aggrieved workers, Highway Managers, Assistant District Engineers, Resident Engineers and Project Engineers shall report all complaints and violations to the Division of Contract Procurement.

The contractor shall be notified in writing of apparent violations. The contractor may correct the reported violations and notify the Department of Highways of the action taken or may request an informal hearing. The request for hearing shall be in writing within ten (10) days after receipt of the notice of the reported violation. The contractor may submit records and information which will aid in determining the true facts relating to the reported violations.

Any person or organization aggrieved by the action taken or the findings established as a result of an informal hearing by the Division of Contract Procurement may request a formal hearing.

4. The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount, without discount or collection charges of any kind. Where checks are used for payments, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements.

5. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

6. No laborers shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

7. Every employee on the work covered by this contract shall be permitted to lodge, board, and trade where and with whom he elects and neither the contractor nor his agents, nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

8. Every employee on the project covered by this contract shall be an employee of either the prime contractor or an approved subcontractor.

9. No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

10. No individual shall be employed as a laborer or mechanic on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams, trucks or other equipment from individuals.

No Covered employee may be employed on the work except in accordance with the classification set forth in the schedule mentioned above; provided, however, that in the event additional classifications are required, application shall be made by the contractor to the Department of Highways and (1) the Department shall request appropriate classifications and rates from the proper agency, or (2) if there is urgent need for additional classification to avoid undue delay in the work, the contractor may employ such workmen at rates deemed comparable to rates established for similar classifications provided he has made written application through the Department of Highways, addressed to the proper agency, for the supplemental rates. The contractor shall retroactively adjust, upon receipt of the supplemental rates schedule, the wages of any employee paid less than the established rate and may adjust the wages of any employee overpaid.

11. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work-week in which he is employed on such work, to work in excess of eight hours in any calendar day or in excess of forty hours in such work-week unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work-week. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. This agreement shall be in writing and shall be executed prior to the employee working in excess of eight (8) hours, but not more than ten (10) hours, in any one (1) calendar day.

12. Payments to the contractor may be suspended or withheld due to failure of the contractor

to pay any laborer or mechanic employed or working on the site of the work, all or part of the wages required under the terms of the contract. The Department may suspend or withhold payments only after the contractor has been given written notice of the alleged violation and the contractor has failed to comply with the wage determination of the Department of Highways.

13. Contractors and subcontractors shall comply with the sections of Kentucky Revised Statutes, Chapter 337 relating to contracts for Public Works.

Revised 2-16-95

EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (6) provides:

No present or former public servant shall, within six (6) months of following termination of his office or employment, accept employment, compensation or other economic benefit from any person or business that contracts or does business with the state in matters in which he was directly involved during his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved in state government. This subsection shall not prohibit the performance of ministerial functions, including, but not limited to, filing tax returns, filing applications for permits or licenses, or filing incorporation papers.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

PART IV

INSURANCE

The Contractor shall carry the following insurance in addition to the insurance required by law:

- (1) Contractor's Public Liability Insurance not less than \$100,000.00 for damages arising out of bodily injuries to or death to one person. Not less than \$300,000.00 for damages arising out of bodily injuries to or death to two or more persons.
- (2) Contractor's Property Damages Liability Insurance. Not less than \$100,000.00 for all damages arising out of injury or destruction of property in any one accident. Not less than \$300,000.00 for all damages during the policy period.
- (3) Contractor's Protective Public Liability and Property Damage Insurance. The contractor shall furnish evidence with respect to operations performed for him by subcontractors that he carries in his own behalf for the above stipulated amounts.
- (4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
 - a. "policy contains no deductible clauses."
 - b. "policy contains a _____ deductible property
(amount)
damage clause but company will pay claim and collect
the deductible from the insured."
- (5) WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

PART V

STATEMENT OF INCOMPLETED WORK

1. Status of Active Prime Contracts.

Attached

1. STATUS OF ALL INCOMPLETED PRIME CONTRACTS

All active prime contracts must be reported. This includes prime contracts with public and private owners and joint-ventured contracts. The names of the joint venturers must be shown when reporting these projects. A machine or typed listing reporting the status of each contract is acceptable when attached to this report; however, the total amounts on the itemized listing must be reported in the space provided below:

CONTRACT WITH	PROJECT IDENTIFICATION	PRIME CONTRACT AMOUNT	EARNINGS THROUGH LAST APPROVED ESTIMATE	TOTAL AMOUNT OF WORK REMAINING
TOTAL (Attach Summary if not itemized above)		\$	\$	\$

PART VI

BID ITEMS

THE QUANTITY SHEET(S) REPRESENTS THE ESTIMATED QUANTITIES (ONLY) FOR THE SUBJECT PROJECT.
PROPOSAL(S) MAY NOT BE AVAILABLE WHEN THE QUANTITIES ARE POSTED.
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TRANSPORTATION CABINET

Department of Highways

FRANKFORT, KY 40622

Sheet No: 1
PCN: 03-0063
Letting: 2/14/2003

FLOYD COUNTY
FD04 036 0023 000-011

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
		ROADWAY QUANTITIES				
1	0003	CRUSHED STONE BASE	22,000.00	TON		
2	0100	ASPHALT SEAL AGGREGATE	1,000.00	TON		
3	0190	LEVELING AND WEDGING PG64-22	6,500.00	TON		
4	0191	ASPHALT SCRATCH COURSE PG64-22	9,010.00	TON		
5	0205	CL3 ASPH BASE 1.50D PG64-22	49,000.00	TON		
6	0210	CL4 ASPH BASE 1.50D PG76-22	76,850.00	TON		
7	0291	EMULSIFIED ASPHALT RS-2	100.00	TON		
8	0312	CL3 ASPH SURF 0.50D PG64-22	24,220.00	TON		
9	0329	CL4 ASPH SURF 0.50B PG76-22	23,000.00	TON		
10	0338	ASPH PLACEMENT WITH MTV	95,000.00	TON		
11	0462	CULVERT PIPE-18 INCH	100.00	LIN FT		
12	0981	SLOTTED DRAIN PIPE-15 INCH	7,229.00	LIN FT		
13	1432	SLOPED BOX OUTLET TYPE 1-15 IN	2.00	EACH		
14	1450	S & F BOX INLET-OUTLET-18 INCH	10.00	EACH		
15	1581	DROP BOX INLET TYPE 16G	164.00	EACH		
16	1633	RECONSTRUCT MEDIAN BOX INLET	79.00	EACH		
17	1719	ADJUSTING INLET (CURB BOX)	33.00	EACH		
18	1821	LIP CURB AND GUTTER MODIFIED	17,247.00	LIN FT		
19	1904	REMOVING CURB (UNDER GUARDRAIL)	10,734.00	LIN FT		
20	1985	DELINEATOR FOR BARRIER-YELLOW	625.00	EACH		

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TRANSPORTATION CABINET

Department of Highways

FRANKFORT, KY 40622

Sheet No: 2

PCN: 03-0063

Letting: 2/14/2003

FLOYD COUNTY

FD04 036 0023 000-011

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
21	1988	CONC MEDIAN BARRIER TYPE 14C1	17,527.00	LIN FT		
22	2014	BARRICADE-TYPE III	4.00	EACH		
23	2157	PAVED DITCH TYPE 1	20.00	SQ YD		
24	2165	REMOVING PAVED DITCH	1,500.00	SQ YD		
25	2230	EMBANKMENT IN PLACE	10,000.00	CU YD		
26	2265	REMOVING RIGHT-OF-WAY FENCE (4' CHAIN LINK)	5,480.00	LIN FT		
27	2351	GUARDRAIL-STEEL W BEAM-S FACE	29,955.00	LIN FT		
28	2360	GUARDRAIL TERMINAL SECT NO 1	41.00	EACH		
29	2363	GUARDRAIL CON TO BR END TYPE A	5.00	EACH		
30	2367	GUARDRAIL END TREATMENT TYPE 1	6.00	EACH		
31	2369	GUARDRAIL END TREATMENT TY 2A	19.00	EACH		
32	2381	REMOVING GUARDRAIL	29,550.00	LIN FT		
33	2387	GUARDRAIL CON TO BR END TY A-1	5.00	EACH		
34	2483	CHANNEL LINING CLASS II	500.00	TON		
35	2484	CHANNEL LINING CLASS III	1,000.00	TON		
36	2562	SIGNS (CONSTRUCTION)	1,400.00	SQ FT		
37	2575	DITCHING AND SHOULDERING	107,000.00	LIN FT		
38	2585	EDGE KEY	1,005.00	LIN FT		
39	2598	FABRIC-GEOTEXTILE TYPE III	1,200.00	SQ YD		
40	2650	MAINTAIN AND CONTROL TRAFFIC	1.00	LP SUM		
41	2653	LANE CLOSURE	4.00	EA		

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TRANSPORTATION CABINET

Department of Highways

FRANKFORT, KY 40622

Sheet No: 3

PCN: 03-0063

Letting: 2/14/2003

FLOYD COUNTY

FD04 036 0023 000-011

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
42	2676	MOBILIZATION FOR MILL & TEXT	1.00	LP SUM		
43	2677	ASPH PAVE MILLING & TEXTURING	14,500.00	TON		
44	2705	SILT CHECK (TYPE 1)	60.00	EACH		
45	2708	CLEAN SILT CHECK	75.00	EACH		
46	2726	STAKING	1.00	LP SUM		
47	2775	FLASHING ARROW	2.00	EACH		
48	2888	CRASH CUSHION TYPE VI-D	18.00	EACH		
49	3221	REMOVING PAVEMENT MARKER TY V	4,000.00	EACH		
50	3240	BASE FAILURE REPAIR (CATEGORY B)	10,757.00	SQ YD		
51	3240	BASE FAILURE REPAIR (CATEGORY C)	700.00	SQ YD		
52	6510	PAVE STRIPING-TEMP PAINT-4 IN	15,000.00	LIN FT		
53	6531	PAVE STRIPING REMOVAL-6 INCH	1,000.00	LIN FT		
54	6542	PAVE STRIPING-THERMO-6 INCH W	134,000.00	LIN FT		
55	6543	PAVE STRIPING-THERMO-6 INCH Y	107,000.00	LIN FT		
56	6547	PAVE STRIPING-THERMO-12 INCH Y	2,000.00	LIN FT		
57	6550	PAVE STRIPING-TEMP REM TAPE-W	3,000.00	LIN FT		
58	6551	PAVE STRIPING-TEMP REM TAPE-Y	3,000.00	LIN FT		
59	6589	PAVEMENT MARKER TYPE V - M W	1,350.00	EACH		
60	6590	PAVEMENT MARKER TYPE V - M Y	2,700.00	EACH		
61	8100	CONCRETE-CLASS A	65.00	CU YD		

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Department of Highways

FRANKFORT, KY 40622

Sheet No: 4

PCN: 03-0063

Letting: 2/14/2003

FLOYD COUNTY

FD04 036 0023 000-011

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
62	8150	STEEL REINFORCEMENT	3,000.00	LB		
63	9175	OPEN GRADED DRAINAGE LAYER-MOI	20,600.00	TON		
64	9792	REMOVE CRASH CUSHION	18.00	EACH		
65	9273	ASPHALT PAVEMENT REINFORCEMEN	11,457.00	SQ YD		
66	9793	ADVANCED WARNING SIGN	152.00	SQ FT		
67	9794	CLEAN CULVERT	10.00	EACH		
68	9795	PNUEMATIC BACKSTOWING	500.00	TON		
69	9318	REPLACE GRATE	112.00	EACH		
70	2705	SILT CHECK (TYPE 2)	15.00	EACH		
71	6549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LIN FT		
72	2381	REMOVING GUARDRAIL (DOUBLE FACE)	17,635.00	LIN FT		
73	2273	R/W FENCE-4 FT CHAIN LINK	5,480.00	LIN FT		
74	9796	REMOVE CONCRETE ENTRANCE	835.00	SQ YD		
		SIGNALIZATION QUANTITIES				
75	4740	POLE BASE	8.00	EACH		
76	4793	CONDUIT-1 1/4 INCH	2,500.00	LIN FT		
77	4795	CONDUIT-2 INCH	80.00	LIN FT		
78	4811	JUNCTION BOX TYPE B	16.00	EACH		
79	4820	TRENCHING AND BACKFILLING	2,000.00	LIN FT		
80	4830	LOOP WIRE	6,200.00	LIN FT		
81	4842	CABLE-NO. 14/3C	3,000.00	LIN FT		

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Department of Highways

FRANKFORT, KY 40622

Sheet No: 5

PCN: 03-0063

Letting: 2/14/2003

FLOYD COUNTY

FD04 036 0023 000-011

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
82	4850	CABLE-NO. 14/1 PAIR	3,000.00	LIN FT		
83	4885	MESSENGER-10800 LB	1,200.00	LIN FT		
84	4895	LOOP SAW SLOT AND FILL	2,100.00	LIN FT		
85	4911	SIGNAL-12 INCH	8.00	EACH		
86	4932	INSTALL STEEL STRAIN POLE	8.00	EACH		
87	2568	MOBILIZATION	1.00	LP SUM		
88	2569	DEMOBILIZATION	1.00	LP SUM		
89		TOTAL BID			\$.

NON-BIDDING
SHEET

PART VII

CERTIFICATIONS

- | | | |
|----|---|----------|
| 1. | Provisions Relative to Senate Bill 258 (1994) | Attached |
| 2. | Non-Collusion Certification | Attached |
| 3. | Certification of Bid Proposal | Attached |

PROVISIONS RELATIVE TO SENATE BILL 258 (1994)

During the performance of the contract, the contractor agrees to comply with applicable provisions of:

1. KRS 136 Corporation and Utility Taxes
2. KRS 139 Sale and Use Taxes
3. KRS 141 Income Taxes
4. KRS 337 Wages and Hours
5. KRS 338 Occupational Safety and Health of Employees
6. KRS 341 Unemployment Compensation
7. KRS 342 Workers Compensation

Any final determinations of a violation by the contractor within the previous five (5) years pursuant to the applicable statutes above are revealed as follows:

NON-COLLUSION CERTIFICATION

COMMONWEALTH OF KENTUCKY
COUNTY _____
PROJECT NO. _____

I, _____, _____, under
(Name of officer signing certification) (Title)

penalty of perjury under the laws of the United States, do hereby certify that

(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)
its agent, officers or employees have not directly or indirectly entered into any
agreement, participated in any collusion, or otherwise taken action in restraint of free
competitive bidding in connection with this proposal.

(Signature)

(Title)

REVISED: 8-23-89

NON-COLLUSION CERTIFICATION

COMMONWEALTH OF KENTUCKY
COUNTY _____
PROJECT NO. _____

I, _____, _____, under
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agreement, participated in any collusion, or otherwise taken action in restraint of free
competitive bidding in connection with this proposal.

(Signature)

(Title)

REVISED: 8-23-89

CERTIFICATION OF BID PROPOSAL

We (I) propose to furnish all labor, equipment and materials necessary to construct and/or improve the subject project in accordance with the plans, the Transportation Cabinet's Standard Specifications for Road and Bridge Construction, current edition, special provisions, notes applicable to the project as indicated herein and all addenda issued on this project subsequent to purchase of proposal.

We (I) attach a bid proposal guaranty as provided in the special provisions in an amount not less than 5% of the total bid. We agree to execute a contract in accordance with this bid proposal within 15 calendar days after the receipt of the notice of award for the project.

We (I) have examined the site of proposed work, project plans, specifications, special provisions, and notes applicable to the project referred to herein. We understand that the quantities shown herein are estimated quantities subject to increase or decrease as provided in the specifications.

Name of Contracting Firm

BY:

Authorized Agent Title

Address	City	State	Zip Code
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Telephone Number

When two or more organizations bid as a joint venture, enter names of each organization and an authorized agent for each organization must sign above.